# Mac FORMAT

All your Apple needs

"Will it be sunny this weekend in Miami?"
Bring your sunglasses, it's going to be nice in Miami.
TODAY

## APPLE: WHAT'S NEW FOR 2012

iPad 3, iPhone 5 and new Apple TV!

>Mac >iPad >iPhone
>Issue 243 January 2012

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The UK's no. 1 Mac magazine

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Take your photos to the next level

## Get rocking with iTunes

Do more in Apple's media player

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- > Fidelio SoundSphere
- > My Passport Studio

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Essential tips for staying connected

MacBook Air

GROUP TEST

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1
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Essential tips for staying connected

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Despite iCloud having launched a good couple of months ago I'm amazed by how many Mac owners still don't really understand it, or use it to its fullest. Sure, iCloud is still in its infancy, and Apple will no doubt be adding more compelling features to it throughout 2012. But now is the time for you to get it configured correctly, and that starts with ensuring you have an Apple ID that's signed up to the service. There's no doubt in my mind that Apple sees iCloud as being central to all its products this year, and for many years to come, regardless of operating system. So if you aren't iCloud-ready, you're going to miss out.

With this in mind, I've commissioned a great feature this issue that will make sure you have all the tools you need at your disposal to get up and running with iCloud. It's essential reading for all Apple owners using iOS 5 or OS X Lion. If you haven't signed up for iCloud yet then head on over to page 32 to find out what the fuss is all about.

Also this issue, we've got a great feature about the products we're hoping that Apple is going to launch this year, including some imaginative renders of what we think they're going to look like. Whether we're right or wrong, one thing's for sure – it's going to be another great year for Apple.

**Graham Barlow, Editor**
graham.barlow@futurenet.com
twitter.com/MacFormat

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Reviews Editor

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Tutorial editor

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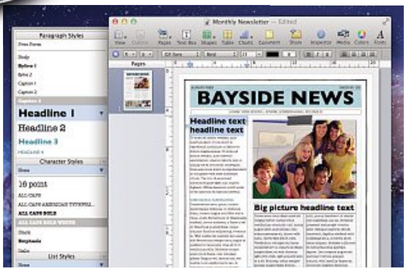

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MacFORMAT
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## >>WHY NOT ALSO TRY?

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Tap!
KEEPING IN TOUCH
iPAD made easy!
AIRPLAY SPEAKERS
SIRI & NATURAL INPUT
TAP FOR MORE!

# Start up

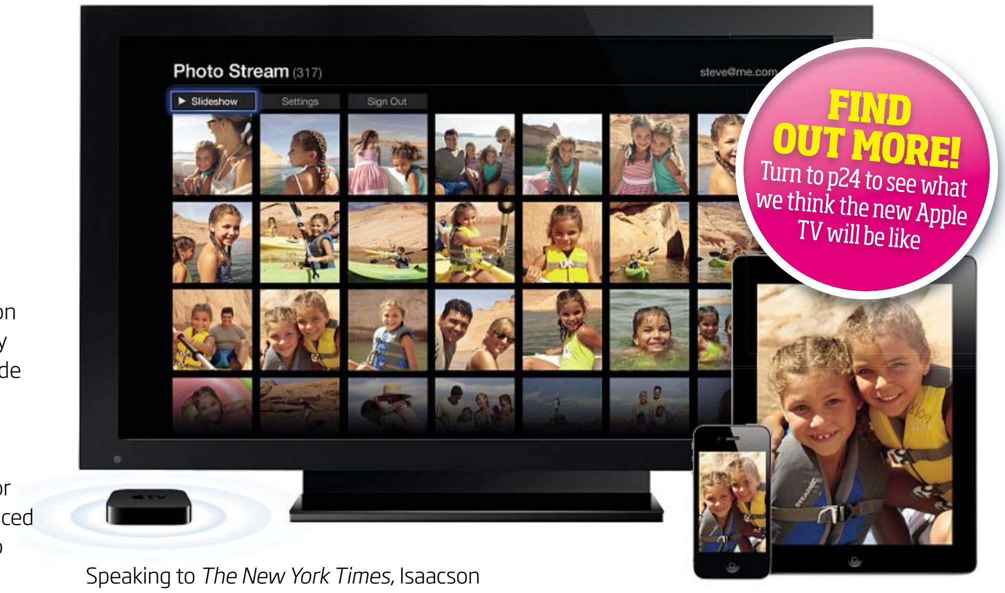
# Apple tunes in to TV market

## Rumours swirl around brave new venture for Apple's media product line

Apple plans to transform the television and broadcast industries, potentially offering channels as apps, to be made available on voice-controlled TVs. These are actively being developed by the company, a slew of reports claim.

Speculation that Apple plans something for TV isn't new: ever since the company introduced the Apple TV 'hobby', it has been expected to extend its reach into 'the den'. Steve Jobs biographer, Walter Isaacson, quoted Jobs admitting as much: "I'd like to create an integrated television set that is completely easy to use. It would be seamlessly synced with all of your devices and with iCloud. It will have the simplest user interface you could imagine. I finally cracked it."

"iCloud stores TV shows and pictures, but we believe Apple may add movies," said Piper Jaffray analyst, Gene Munster. "While a solution for live TV combined with previously aired shows 'recorded' in the cloud remains a significant hurdle, perhaps this code is precisely what Jobs believed he had 'cracked.'"



**FIND OUT MORE!** Turn to p24 to see what we think the new Apple TV will be like

Speaking to *The New York Times*, Isaacson confirmed Jobs had spent time on the control interface for the new TVs, telling him: "There's no reason you should have all these complicated remote controls."

Australian tech title, Smarthouse, cites anonymous Japanese sources who say the Apple television will be available in three sizes, ranging from 32- to 55-inches.

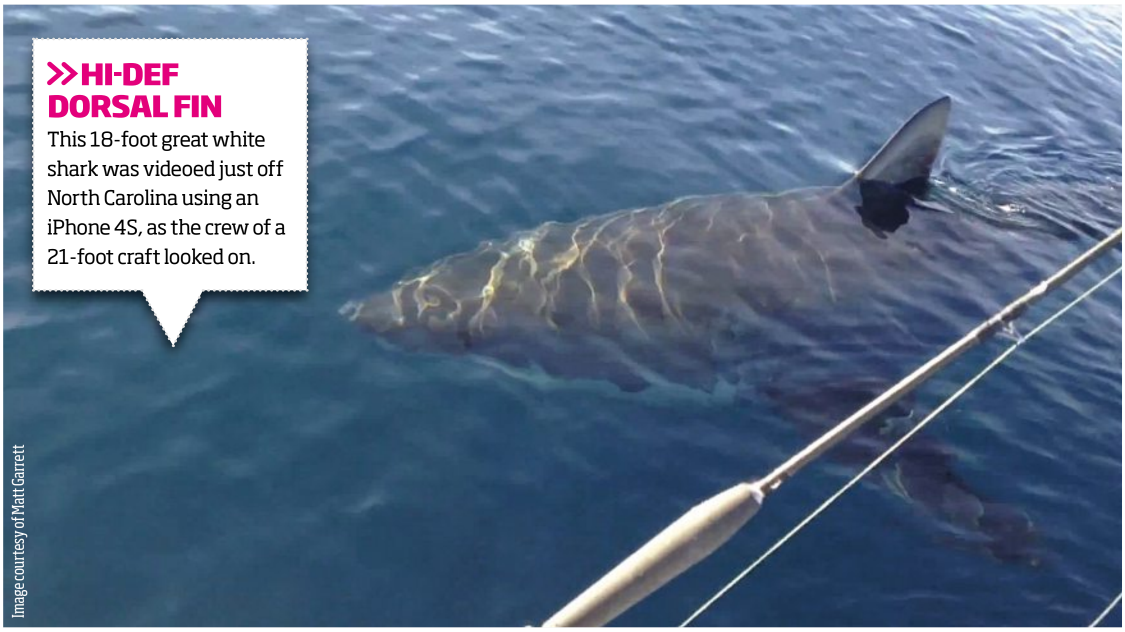
"We also believe Apple could use Siri, its voice recognition, personal assistant technology to bolster its TV offering and simplify the chore of inputting information like show titles, or actor names," Munster said in a research note.

This speculation seems to be confirmed by Smarthouse, which says Apple's systems will be equipped with the iPad's A6 processor, and will be controlled by voice using the iOS Siri assistant technology.

A Bloomberg source says the TV's software will let you check for movie or TV shows across multiple platforms in one place. That means all the content from your movie rental firm,

>> MORE NEWS
For even more on the Mac, iPod and iPhone, visit
**www.macformat.co.uk**

## APPLE IN PICTURES / Great white video



**HI-DEF DORSAL FIN**

This 18-foot great white shark was videoed just off North Carolina using an iPhone 4S, as the crew of a 21-foot craft looked on.

Image courtesy of Matt Garrett

cable service, or digital transmissions will all be available to browse from within one interface. That's a big change because at present you need to access each of these inputs separately.

Jeff Robbin, the man who created iTunes, has been handed the task of leading Apple television development, according to Bloomberg. Their sources also claim Apple already has a working TV prototype – although it remains possible the company may still abandon its plan.

So what can we expect from the new Apple television?

– iTunes compatiblity: Purchase new content on your TV, access your existing iTunes library direct from iCloud, beam media to your TV using AirPlay from an iOS device.

– Spoken word controls: Siri should have emerged from beta testing by late next year. Apple is giving us a TV we can yell at, that understands what we're saying.

– Apps support: The inclusion of an A6 processor in this new model could suggest potential partial support for specific apps. This could open up international markets for some broadcasters. For example, BBC's *iPlayer* app continues to gain features and is now available across the US and Europe, as well as in the UK.

Apple's move into TV follows the abject failure of Google's own Google TV experiment. Logitech lost $100 million as a result of its attempt to introduce a Google TV product, the Logitech Revue.

"To make the long story short, we thought we had invented sliced bread," admitted Logitech CEO Guerrino De Luca. "We just made them. [We made a commitment to] just build a lot of them because we expected everybody to line up for Christmas and buy these boxes at $300… That was a big mistake."

At Sony, CEO Howard Stringer has said he is 'finally' ready to take on Steve Jobs, admitting his company had been losing money on every television it sells. "We can't continue losing money in this manner," he said.

However, a move to deliver TV in new formats is predicated by changing audience behaviour patterns, "We noticed last season, actually with every passing season, that more and more fans are watching *Sons* [*of Anarchy*] off their DVR. There will be no programming, only content," said *Sons* writer, Kurt Sutter.

As we go to press, reports claim the TV sets (with displays made by Sharp) will cost approximately twice as much as existing sets. We should know more later in 2012. ●

**APPLE IN NUMBERS**

**$485 million**

**Money RIM lost on unsold PlayBook inventory**

*"It seems inevitable Apple will develop Siri for the Mac"*

**Steve Paris wants his Mac to talk back in future.** »

## Apple talk

Who's saying what?

### Tim Cook

www.apple.com

"These aren't intentional omissions meant to offend anyone, it simply means that as we bring Siri from beta to a final product, we find places where we can do better and we will in the coming weeks."

**Apple CEO explains Siri's seeming anti-abortion stance.**

### Ron Johnson

www.apple.com

"A store has to be much more than the products that it sells. That's what I learned from Apple. You can really move product and change and enrich people's lives."

**Apple's former retail chief talks about retail.**

### Phil Schiller

www.apple.com

"New Flipboard app for iPhone is very nice."

**Apple marketing chief praises Flipboard app.**

### Citigroup

www.citigroup.com

"It seems clear that Apple is headed for a meaningful upside surprise on iPhone shipments this quarter."

**Analyst Richard Gardner predicts huge iPhone sales this quarter.**

### JP Morgan

www.jpmorgan.com

"We believe Apple is not too concerned about the low-priced entrants."

**Analysts say Kindle Fires will drive iPad interest.**

**» IN THE SPOTLIGHT**

## Opening the pod bay door

Steve Paris

Siri, the iPhone 4S's personal assistant, has got everyone talking. Yes, it's still in beta, which means there are still a few bugs to iron out. But if you compare its speech recognition to the competition, you realise just how advanced this technology really is. You don't have to train it, it understands context, it doesn't force you to speak in a specific syntax and it recognises commands asked in multiple ways. No wonder the competition's tried so hard to belittle it.

But why restrict this technology to the phone? Voice-recognition already exists on computers of course, but it's bolted-on technology and it doesn't work well unless you spend a lot of time training the software to recognise your voice. Siri seems to work much better straight out of the box.

Typing isn't natural – it's much easier, quicker and more convenient to speak. So it seems inevitable that Apple will adapt Siri for the Mac. But there's a problem: iPhones send your voice commands to Apple's massive servers for them to do the heavy lifting. Which takes time. For Siri to work on the Mac, you'd have to see your words appear on the screen as you spoke them. That means not relying on those massive servers.

> *"Typing isn't natural – it's much easier to speak. So it seems inevitable Apple will adapt Siri for the Mac"*

But how would such a setup work in an office? Which one of the many Macs in this futuristic office would respond to your commands? Using headphones and a microphone feels very much like a solution Microsoft would come up with. Steve Jobs was always pushing for more elegance and 'magic'. He wouldn't be satisfied until you could talk to a computer and all the other Macs in the room would safely ignore your commands. Sadly, I don't think we're there just yet.

But here's a solution that could be used today: connect your iPhone to your Mac wirelessly and issue your commands through it. You could conceivably control a computer from anywhere in this way. More than multi-touch, voice-recognition could sound the death knell for the keyboard-and-mouse combo that has served us these last thirty years. So, ready for the next revolution? ●

**Technology writer Steve Paris emigrated from Bristol, England to New Zealand. He still hasn't given up on finding Middle Earth.**

MacBook Air

**Sources suggest Apple is about to expand its MacBook Air range.**

**» APPLE NOTEBOOKS**

# MacBook Air upgrades loom

## Larger screen options for Apple's slimline notebook

Apple is reportedly preparing to introduce new 15-inch MacBook Air configurations in its first calendar quarter of 2012.

The company has been expected to introduce updates to its MacBook Pro and MacBook Air ranges. These may include a 15-inch MacBook Air model to complement the 13- and 11-inch existing range. Analysts also expect slight price reductions on the range as the company seeks to compete with next year's anticipated slew of ultramobile notebooks from other manufacturers.

Various reports claim the next-gen notebooks may be equipped with Intel's quad-core Ivy Bridge i7 processor, which delivers 20% better CPU performance and a 60% improvement in graphics power. The platform also enables support for up to three displays, including the main one. (At present the chip used inside MacBooks supports two displays.) If true, such a move to support three could be extremely useful to video editors.

Apple meanwhile continues to improve its Air range with a view to making the lightweight Macs suitable for professional and high-level applications. The MacBook Air is a key product for the company, whose co-founder, Steve Jobs, once explained: "If the Mac company were a separate company, and the iPad company were a separate company, what would the Mac company build to compete with the iPad? And I think the answer is the MacBook Air."

Plans for introducing a new product face unexpected component supply challenges, principally in sourcing the cases for these Macs. Apple continues to face disruption in MacBook manufacturing as Chinese authorities inspect the factory that creates 60% of its Unibody enclosures.

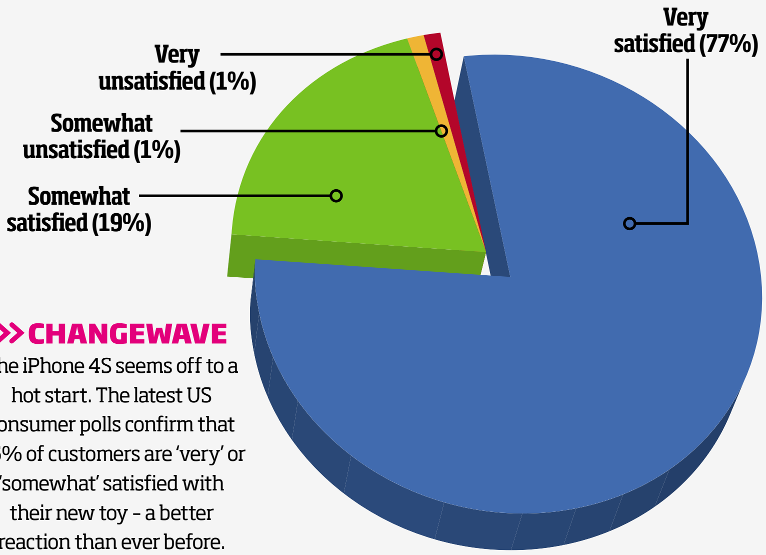
Catcher Technology ceased production in mid-October while authorities investigated the factory in order to make sure MacBook chassis manufacturing is not generating strong or poisonous gases that might impact local residents in Suzhou, China, where the factory is based. Apple has switched MacBook chassis manufacturing to alternative supplier, Foxconn. The MacBook Air now accounts for 28% of Apple's notebook sales. ●

**» APPLE IN NUMBERS**

**#1**

**Steve Jobs' biography is 2011's best-selling book on Amazon**

## APPLE IN NUMBERS / iPhone 4S feedback



**CHANGEWAVE**

The iPhone 4S seems off to a hot start. The latest US consumer polls confirm that 96% of customers are 'very' or 'somewhat' satisfied with their new toy - a better reaction than ever before.

**EBOOK PRICE FIXING**

# iBookstore deals 'anti-competitive'

### Apple under investigation over publisher deals

The US Department of Justice and the European Commission have launched an antitrust investigation into Apple and the biggest book publishers to find out if they've been 'price-fixing'.

Regulators are looking at deals between Apple and publishers, including Hachette, Harper Collins, Simon & Schuster, Penguin and Macmillan.

They are examining the agency deals Apple agreed with publishers. Agency deals see publishers set prices from which Apple takes a slice. Amazon's wholesale model saw the retailer set prices after buying titles for a set fee.

In offering an agency model, Apple enabled publishers to force Amazon to adopt agency deals – leading to an industry-wide price increase. The EC wants to find out if publishers have: "Possibly with the help of Apple, engaged in anti-competitive practices affecting the sale of ebooks. These practices may breach EU antitrust rules that prohibit cartels and restrictive business practices," European regulators said.

The UK Office of Fair Trading has also begun its own anti-trust investigation, though this has been shelved while the European inquiry takes place.

Apple also faces a class action lawsuit in the US, where Hagens Berman alleges that Apple and the big five publishers worked together to force Amazon to adopt this 'agency model'.

EU competition spokeswoman Amelia Torres said: "We have suspicions of collusion to keep prices high." But publishers are denying the charges, which they say "lack merit". ●

**APPLE IN NUMBERS**

**4**

**iPhones dominate top four smartphone Flickr uploads**

# HOT OR NOT?

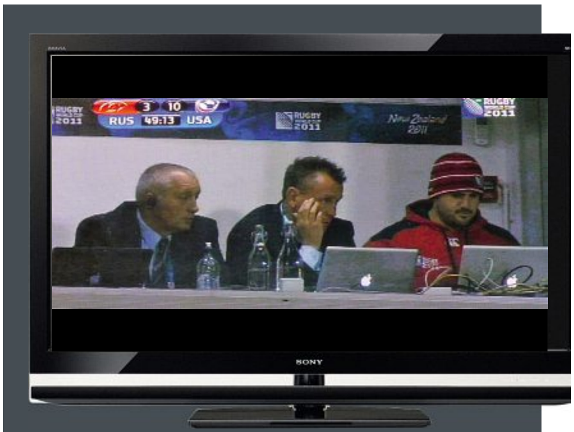
The latest word from the Apple rumour mill

**HOT: Mac Pro looms**
Eagle-eyed beta testers have spotted code referring to an unreleased Mac Pro model inside the latest OS. It's not conclusive proof, but a Mac Pro update is past due.

**HOT: Office for iPad**
The Daily tells us Microsoft is 'actively working' to bring *Microsoft Office* to the iPad, making it a leading productivity tool. We think this sounds likely.

**NOT: iPhone 5 in… March?**
There's been much speculation Apple may intend introducing an iPhone 5 (with NFC and LTE) in 2012, perhaps in March. We're sure it's coming in 2011, but not that soon.

**NOT: Clooney as Steve Jobs**
George Clooney and former ER co-star Noah Wyle are allegedly in the running to play Apple founder Steve Jobs in a new Hollywood movie. Clooney? Really?



# Apple on TV

The Mac is ready for its close-up

This image comes from TV coverage of the 2011 Rugby World Cup. It shows Russia's head coach Nikolai Nerush, Director of Rugby Kingsley Jones and an assistant coach. Thanks to Aller Spanninga for the tip.

**If you've spotted a Mac on television, then email macformat@futurenet.com and tell us all about it!**

>> LIVING THE iLIFE

# iMacs don't grow old

Graham Barlow

So, I've just brought myself a new iMac. But before you get jealous of the 27-inch Intel Core i5 aluminium beauty you're imagining I've ensconced in my office, stop and think again. I mean 'new' as in 'new to me'. I've just bought a second-hand white iMac G5 for under a couple of hundred quid, and I'm really happy about it.

We needed another Mac to use at home and rather than shell out the equivalent of a deposit on a brand new car I decided to look for something that was priced a bit more competitively. It turned out that one of the designers here at our offices was selling off his old iMac. He was open to offers, so I decided to snap it up. It even came with a second monitor thrown in for free!

The thing is, if all you want to do is browse the internet, send some emails and maybe do a little bit of writing or design work, you don't really need one of Apple's latest models to get the job done. And provided it still works, an old Mac is more than up to the task.

> *"We needed another Mac at home and rather than head to the Apple Store I decided to look for something different"*

Macs hold their value more than any other type of personal computer for a reason – they just keep on going. The white iMac G5 came out in 2004. In fact, I was in the audience in Paris when Steve Jobs announced it. If I remember correctly, it rose up from beneath the stage in a rare moment of theatrics for Apple. It was superseded by the first Intel iMac in 2006, which also features the iconic white design, until Apple moved to the aluminium case in 2007. So my iMac is at least seven years old, but it's still going strong.

Of course, there are downsides – it's running an old version of OS X and I'll never be able to upgrade it to Lion because it hasn't got an Intel processor. But upgrading it to OS X 10.5 Leopard is next on my list of things to do. I'm very taken with its retro charm and it certainly has more character than the new models. The only thing I have to worry about now is how to keep it looking smart – so that I can sell it for more than I brought it for in about two years' time! ●

**Graham Barlow is setting up a retirement home for old Macs who are getting a bit long in the tooth, but are still loved.**

>> APPLE PROFITS

# Apple: world's biggest PC maker

## HP to be overtaken in race for PC-making top spot

Apple is doing 'a great job' and will pass HP, becoming the world's leading PC maker in 2012, HP CEO, Meg Whitman, told Le Figaro. Whitman's words followed release of the latest Canalys forecasts, which predict that, if the iPad is counted as a PC, Apple will surpass HP next year.

Whitman agrees: "We need to improve our game and our products to take over the leadership position." She "hopes" HP will regain its long-held position as the world's biggest PC maker in 2013, following some new product introductions.

HP had been expected to quit the PC market altogether, but abandoned the strategy after intense internal review. Whitman doesn't agree that iPads are comparable to PCs, partially because "they cannot run productivity software", such as *Office*. Her defence is weak. The Daily claims Microsoft has prioritised development of *Office* for iOS, with a Lion OS version set for late 2012 release.

Despite Windows Phone 7 and a growing Nokia relationship, Microsoft is tiny in the smartphone market which Android and Apple dominate. Microsoft is fighting for platform relevance. Corporate sales are threatened. Lifetime CIO, John Bowden told CIO.com: "We love Apple. The bottom line is that Apple makes great products." Lifetime has adopted iPhones. 93% of the Fortune 500 are deploying or testing iPhones.

The iPad is winning the tablet wars, said Canalys: "Vendors are struggling to compete with Apple, as many toil to produce comparable devices at attractive prices." ●

**>> APPLE IN NUMBERS**

**$150,000**

**Sotheby's auction price for a copy of the first Apple deal**

# Stockwatch

A look at the world of Apple business with Clem Chambers

Apple's stock price still looks pretty good as a long-term trend. It's still within the tramline trend established in 2008. What's more, the Christmas buying season is here. However the flipside is that the stock fell at one stage about 15% from the high, even though it is bouncing back as I write. The me-too cloners of iPhone and iPad are now no longer chasing to catch up and are at retail in force, though from a branding standpoint they are still miles behind Apple, the number one brand on the planet. The patent war is in full swing around the world but it can't hold off the emulators indefinitely.

Apple have laid the ground for the belief that Steve Jobs wasn't the sole reason for the company's success, arguing that Jobs grafted a corporate DNA into the company for the future.

Yet Apple needs the next mega-hit to stay on top. The stock market loves the future, not the past.

**Clem Chambers is CEO of ADVFN, Europe's leading stocks and shares website.**

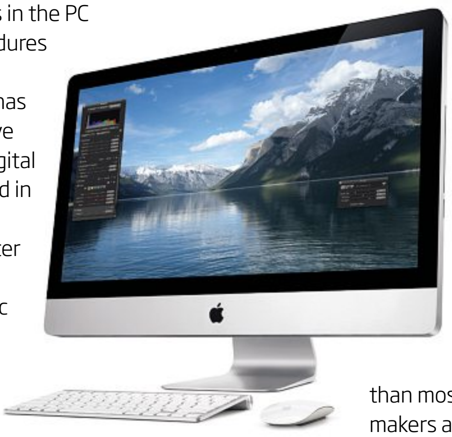
**>> QUAKE DISASTER**

# Thai torrents hit Apple

## Deadly floods take out Asian hard drive manufacturers

Estimated shipping times for some iMacs have slipped from a couple of days to up to seven weeks as Apple grapples with the impact of terrible flooding across Thailand.

Thailand is home to much of the industry's hard drive production. Delays and component shortages have been affecting others in the PC industry as the country endures what is now months of extensive flooding, which has claimed over 500 lives. Drive manufacturers Western Digital and Seagate are both based in the country.



The impact of this disaster has meant that customers attempting to order an iMac with an optional 2TB drive have seen a two-month delay. The situation is in flux, but it appears standard Apple stock remains relatively available. Analysts have predicted drive shortages will continue into 2012, while OEM drive prices have reportedly climbed 150%. Apple is working with drive makers to mitigate any customer impact as a result of the flooding.

Expressing his sympathies to the suffering of the Thai people, Apple CEO Tim Cook has said: "I'm virtually certain there will be an overall industry shortage of disk drives as a result of the disaster."

Evercore analyst Rob Cihra thinks most Apple customers shouldn't feel too much impact, arguing that Apple moved faster than most to work with its HDD makers and ensure supply. ●

**>> SEO QUESTIONS**

# EU regulators eye Google

## Accusations over advertising tactics threaten 'no evil' image

Google faces its biggest test yet, as European Union antitrust regulators make a final decision on whether to launch major objections against the American company. This comes on the strength of alleged abuse of the search giant's dominant market position.

Google Executive Chairman, Eric Schmidt, met with EU antitrust officials in December of 2011. *The Financial Times* reported that Europe is threatening to throw a 400-page statement of objections against the abuse of power it has employed against smaller rivals and others. Google may then have to face fines and other punishments.

Complaints about the way Google prevents smaller competitors from generating ads revenue were filed in 2010 by French search engine eJustice.fr, Microsoft's Ciao! and the UK-based price-comparison site Foundem.

Investigators have spent years trying to determine if Google's search results purposely lower the results positions of rival services. There's also an enquiry to find out if Google demands exclusive agreements with some advertisers, preventing them from showing ads from other search services on their own sites.

With 65% of the global search engine market already behind it, Google recently launched its much-touted, iTunes-competing Google Music download service.

Ben Drury, 7Digital CEO notes that in conjunction with Android, when it comes to music, "Google is definitely not the neutral, open and agnostic player that it once could claim to be." ●

**>> APPLE IN NUMBERS**

**10%**

**US mobile subscribers who own iPhones**

Virtual
Private
Servers

Way more Powerful
then shared,
but a fraction of
the cost of dedicated.

Easy managed
Choice of distro
Custom setup
Fraction the cost
Powered by Virtuozzo
Dell server

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# Win! A Sound Blaster Recon3D Omega Wireless!

This headset and sound card are the last word in audio technology

Creative Labs' Sound Blaster Recon3D Omega Wireless is an incredible headset package. Bundling a powerful USB sound card and a top-quality wireless headset, it's great for gamers and for non-gaming audio too.

The sound card boasts a quad-core sound processor, and the Omega Wireless is a top-quality headphones-and-mic set. Used together, they give you the world's first hardware-accelerated wireless headset, and its power isn't wasted. THX TruStudio Pro bass enhancement creates harmonics above the bass frequency without stressing the speakers, its 3D effects are awesome and CrystalVoice FX can morph your voice into different characters and accents. It's multi-platform too; you can use it on your Mac, PC, PS3 or Xbox 360.

Sound Blaster Recon3D Omega Wireless sets retail at £210, but Creative Labs has given us five to give away.

## The question

To stand a chance of winning one of these superb prizes, just answer this simple question:

**What sort of processor does the Sound Blaster Recon 3D have?**

*A) Single core*
*B) Dual core*
*C) Quad core*

**PRIZES WORTH £1,000!**

For more information on Creative's Sound Blaster Recon3D Omega Wireless, and more great products from Creative Labs, go to **http://uk.creative.com**.

## » HOW TO ENTER

- To enter, text OMEGA, followed by a space then your answer (A, B or C), space, then your name and address to 87474; or enter via our website at **www.macformat.co.uk** and click on the **Competition** link.
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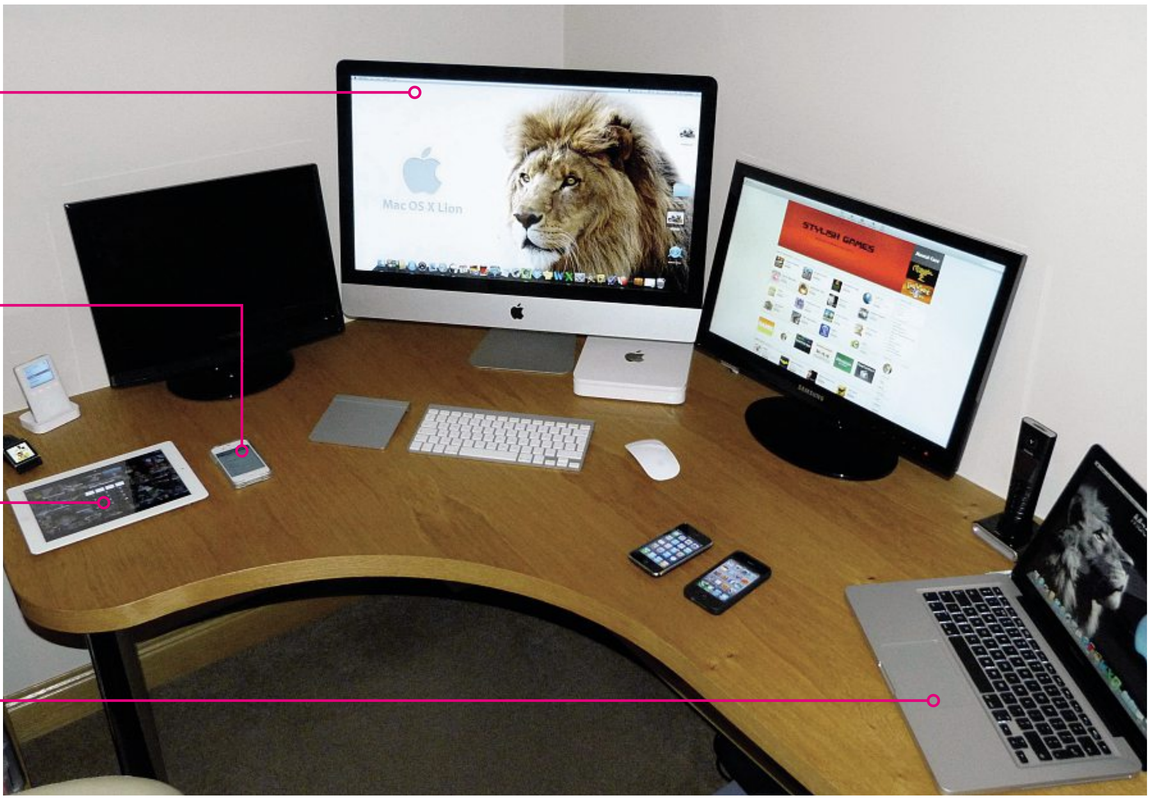
# Me&MyMac

## MacFormat readers share their beloved Mac setups

**>>CONTACT US**
Want to share your Mac setup with us? Send a photo of your kit to **macformat@futurenet.com**



**27-inch iMac 2.7GHz Intel Core i5**
The supersize screen of the iMac comes in handy for all home and business projects.

**20GB iPod**
Still going strong after eight years of use, this was the first Apple product Barry ever bought.

**iPad 2 16GB**
When he's not working on his Mac, Barry uses his iPad to relax playing games and reading books.

**13-inch MacBook Pro 2.5GHz dual-core Intel Core i5**
Barry always relies on his MacBook for business trips.

**>>PROFILE**
**Name:** Barry Graham
**Occupation:** Company director at Barry Joinery (joinerdunfermline.com)
**Been using a Mac for:** One year
**Favourite hardware:** 27" iMac 2.7GHz i5, iPhone 4 16GB
**Favourite software:** iMovie, Pixelmator, Evernote

You only have to take one look at Barry Graham's company website to see what he thinks about great design. As company director at Graham Joinery, it's clear he appreciates beautifully designed objects, whether it's a swish kitchen, a bespoke cabinet or a newfound passion for the Mac.

Barry only got into the Mac about a year ago, despite owning a third-generation 20GB iPod since 2003. Why? "I had wanted one for ages and decided to take the plunge when my PC started playing up again. Every time I went to the computer shop I would be drawn to the beauty of the Macs, and once I started using Snow Leopard, I loved the OS and the user experience," Barry says.

Today Barry owns a 27-inch iMac, a 13-inch MacBook Pro, a 2TB Time Capsule, an iPhone 4 and an iPad 2 16GB, as well an Apple TV. And he puts them all to good use both in his day job and for more creative endeavours at home.

> *"I love the size and resolution of [the iMac's] screen. There is nothing else on the market that comes close to it for looks"*

"I love the size and the resolution of the [iMac's] screen," Barry says. "Nothing comes close to it for looks and the fact that it's an all-in-one makes it even more desirable and attractive." Barry's also a fan of the iPhone 4, which he takes with him wherever he goes: "You've got your music, books, maps, email, internet, *Evernote*, *Dropbox*, games and TV - and you have access to these things all day long. "It's so user-friendly and fast," Barry says, "It's the best Apple product of all time."

As well as toting his 13-inch MacBook Pro around to help get stuff done while at work, Barry also turns to his iPad 2 for family weekends away: he loads it up with films to keep his kids entertained and he also uses it for playing games and reading books. He does, however, have one slight regret: the shop he bought it from only had a 16GB model in stock on launch "I thought it would be fine, but now I could definitely do with more space, especially for HD films." But rather than upgrade to a larger capacity iPad 2, Barry's decided to wait: "I'll definitely check out the iPad 3 hoping for a retina display," Barry says. "It sounds great." ●

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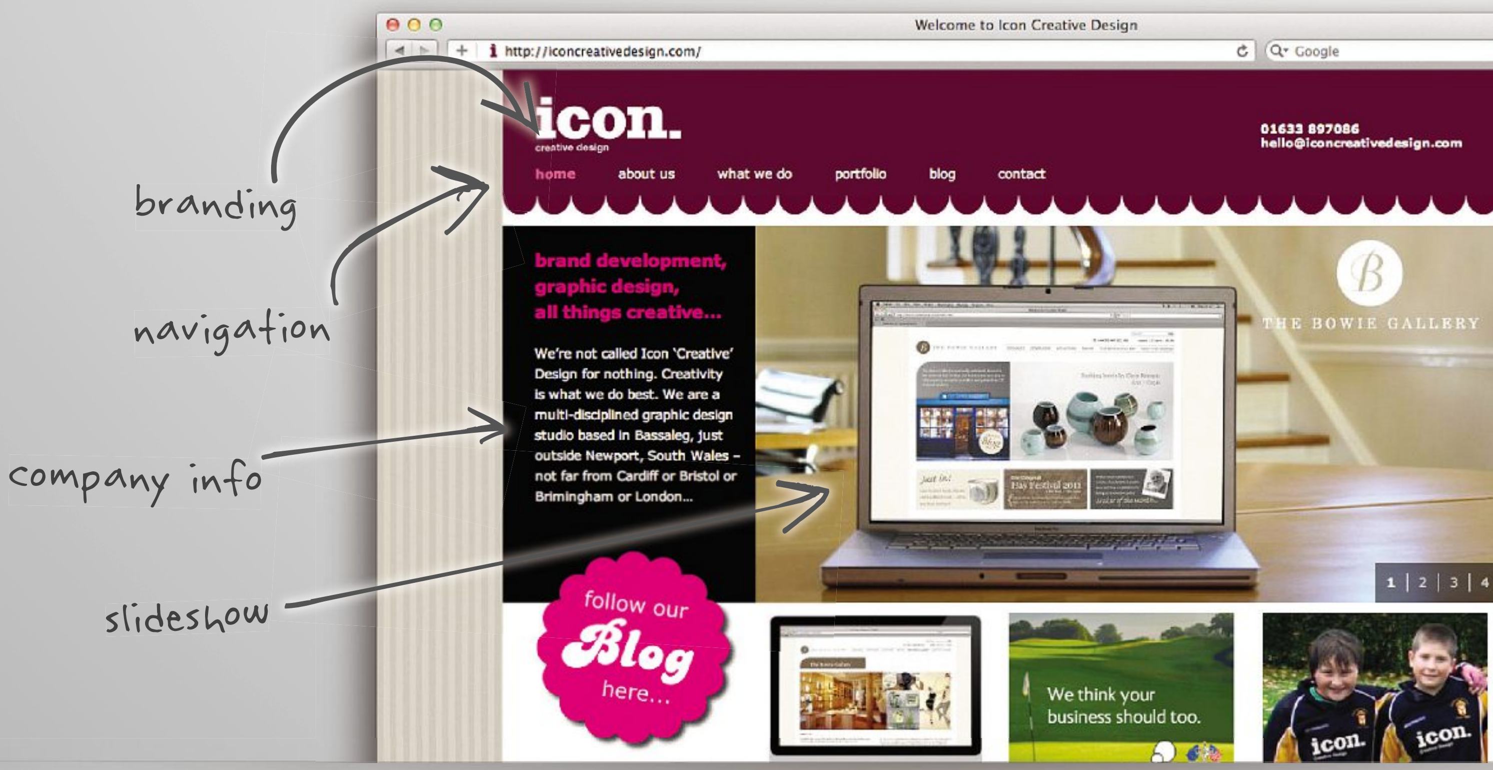

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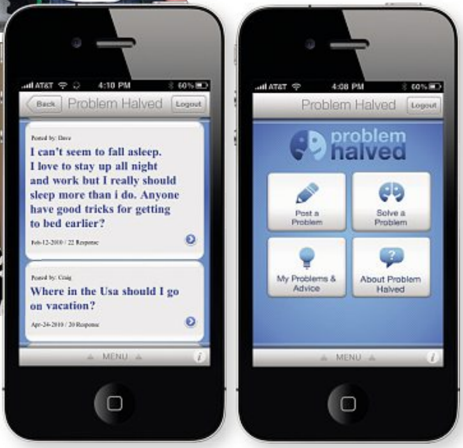

I can't seem to fall asleep. I love to stay up all night and work but I really should sleep more than i do. Anyone have good tricks for getting to bed earlier?

Where in the Usa should I go on vacation?

**Far left:** Rob relied on the generosity of others to provide his meals and equipment. **Top left:** The whole experience was blogged on www.iphone5experiment.com **Bottom left:** Even performances were donated free of charge. **Below:** Rob's app in action.

# I use my Mac for promoting apps

**Words:** Graham Barlow

The inspiring tale of one man's journey from local bin man to iPhone app promoter

## »PROFILE

**Name:** Rob Shoesmith
**Occupation:** App promoter
**Macs used:** 13-inch MacBook Pro, iPhone 4S, iPad 2 and Apple TV
**Web:** www.medlmobile.com
www.iphone5experiment.com

**MacFormat: Who are you?**
**Rob Shoesmith:** I'm a 30-year-old guy from Coventry, England, and I studied Internet Marketing at university. I had to quit my course early, and needed to find a job fast to pay off my debts. I found a job as a bin man, which I saw as an opportunity to pay my debts and then look at my career options. Five years later I was still emptying dustbins and felt really depressed. One day I was browsing the App Store and came across *App Incubator* made by a company called MEDL Mobile. It allows people without programming or coding knowledge to send ideas for apps. In exchange for the idea, if MEDL Mobile like it they will pay the development cost and share the profits with the person who came up with the idea.

**MF: So, what happened?**
**RS:** Over two weeks I must have brainstormed and submitted at least thirty ideas through *App Incubator*. About a month later, I received an email back from one of the owners of MEDL Mobile, Dave Swartz, to inform me they were interested in developing one of my ideas – *Problem Halved*. It's a problem-solving app that allows people to post a problem on just about anything and lets the community come and post advice.

**MF: And this lead to a job?**
**RS:** I put together a media campaign and generated international press attention. MEDL Mobile were so impressed, they gave me a job as a marketing and PR executive!

**MF: Congratulations! What else have you worked on?**
**RS:** Apple has such a huge marketing and PR influence and I wanted to see if it would be possible to camp out for the next iPhone launch without spending any money – but relying on donations. I blogged everything at www.iphone5experiment.com. The response was amazing – I had more than 150 companies donating items including Helly Hansen outdoor clothing, London restaurants delivering meals to my tent, lots of gadgets, live bands performing, a hairdresser who cut my hair and my own personal assistant!

The whole experience was exhausting, but so productive. What I wasn't expecting was to connect with as many homeless people as I did. I found living on the streets hard and yet I had top-quality equipment and food delivered. Some of the people I met had nothing! I was camped outside the store when I found out the news of Steve Job's death. I was woken at 4.30am by tweet notification on my iPhone. The following day there were so many leaving flowers and apples outside the store to pay their respects.

The experiment was a huge success and I'm already in the process of planning part two. ●

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# Gadgets

The hottest kit on the horizon.
Here's what Apple is up against

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7
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Calendar
Photos
Camera
YouTube
Stocks
Maps
Weather
Notes
Utilities
iTunes
App Store
Settings
Phone
Mail
Safari
iPod

## ▲ Scandyna Minipod Mk2

**£549 www.scandyna-uk.co.uk**

**What is it?** Scandyna's Minipod Mk II boasts several key changes from the original. The mid/bass driver has been redesigned, and now features a new four-layer aluminium voice coil to improve efficiency. The crossover has been upgraded to incorporate the new driver. To make use of the improved bass response, the crossover point had been changed down to 2700Hz from 3000Hz.

**When's it due?** It's out right now, in black, red or white.

**Why are we excited?** Why should speakers look like dull, black boxes? The Minipods make an excellent techie fashion statement, and improved sound means they perform well too.

## ▲ Jawbone UP

**£80 http://jawbone.com**

**What is it?** With a high-tech wristband and an iOS application, you can lead a healthier lifestyle. The Jawbone UP can help you track the distance you've walked and how many calories you've burned. It can also be programmed to vibrate if you've been still for too long, track your sleep patterns, map your diet and more.

**When's it due?** Out now.

**Why are we excited?** It really is amazing how much you can do with a smartphone these days. The Jawbone UP acts as your very own fitness and lifestyle coach if you need to lose weight, sleep better or eat healthier. This gadget could help change your life.

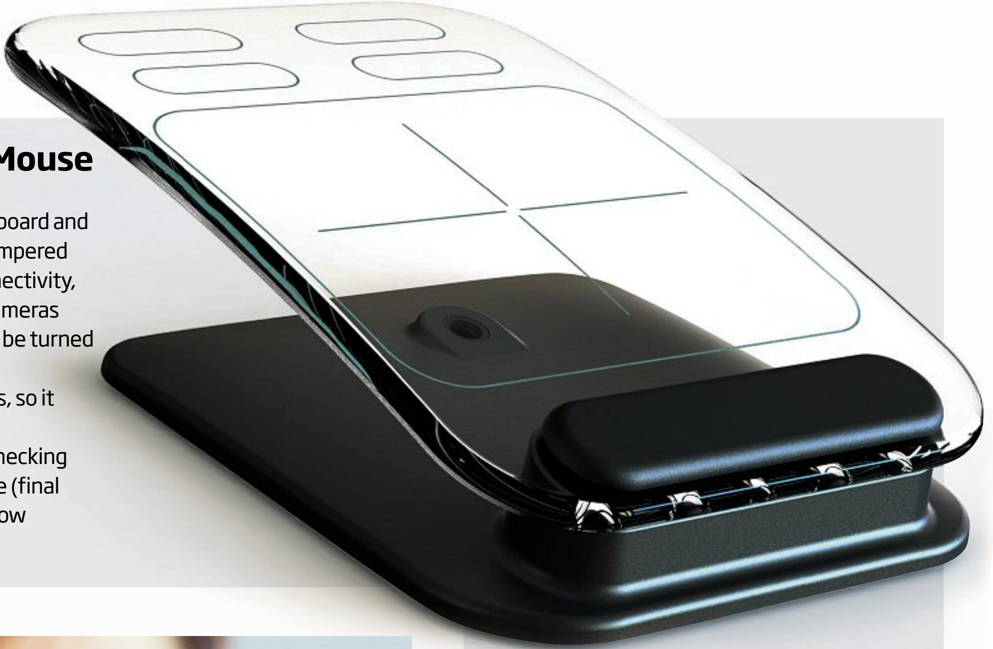
## ◄ PowerSkin Boost Gaming Enhancer

**£75 www.powerskin.co.uk**

**What is it?** This battery case for the iPhone and iPod touch is designed with gamers in mind. It features two-watt digital stereo speakers with volume control, a mute button, a headphones port and built-in vibration control. And its battery gives up to 10 hours' extra power.

**When's it due?** Out now.

**Why are we excited?** iOS devices are excellent gaming machines, and this gadget takes things to the next level. With better sound, more power and reduced thumb ache, can you be without one?



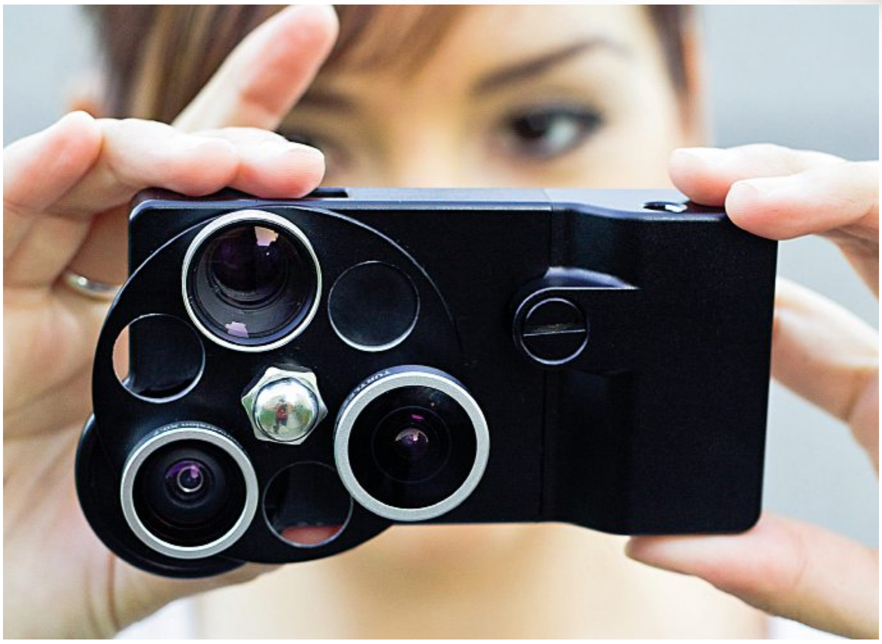
## ▶ Multi-Touch Keyboard and Mouse

**£TBC http://kck.st/tnjAjq**

**What is it?** This kickstarter project features a keyboard and mouse that respond to your touch. It features a tempered glass surface, a solid metal base and wireless connectivity, while the position of your fingers is detected by cameras mounted under the units. Sounds and lighting can be turned on or off to suit the way you work.

**When's it due?** It's raised sufficient backing funds, so it should arrive in a few months.

**Why are we excited?** We're looking forward to checking this one out. The Multi-Touch Keyboard and Mouse (final name TBC) looks fantastic and we're keen to see how comfortable it will be to use.



## ▲ iPhone Lens Dial

**$250 (£160) http://bit.ly/vPwj4k**

**What is it?** If you want to get more from your iPhone photograpy, this amazing case with three built-in lenses is just the thing you need. Built for the iPhone 4 and 4S, it weighs a mere 10oz and packs in optical-quality, coated glass wide angle, fisheye, and telephoto lenses. The case has two tripod mounts, for portrait and landscape photography.

**When's it due?** Order it online now.

**Why are we excited?** Despite making your iPhone a lot bulkier, we think this is a great gadget as it provides so many extra options for iPhone photography. We also like that you can niftily switch between lenses by rotating the disc. This means the lenses never leave your phone, so you're always ready to capture that perfect shot.

## ▼ Freecom Mobile Drive Sq

**£85/£125 www.freecom.com**

**What is it?** This handy and convenient portable drive is available in 500GB and 1TB capacities. It measures 12x12x1.05cm, and looks good next to any desktop or notebook Mac. It's USB 3.0, so it's compatible with any Mac at USB 2.0 speeds and can achieve its full potential if you have a Thunderbolt port and an adapter.

**When's it due?** Out now.

**Why are we excited?** It's great to see a hard drive that's square rather than oblong. It's also extremely slim. We can see this one being very handy if you're short on space.

# Feedback

**CONTACT US**
Whatever your Mac-related cares, concerns or calamities are, let us know about them by contacting us on the following email address: **macformat@futurenet.com**

## Let us know what you think about your Mac, MacFormat and everything Apple

### Battery life

**I was quite happy with my iPhone until I downloaded iOS 5. Like many others I experience an increase in the frequency of the 'low battery' warning. So when Apple issued an update to supposedly cure this problem, I duly downloaded it – only to find that my battery now needs charging every 12 hours where previously it was two days, minimum. I've switched off a lot of features but to no avail.**

**I've attempted to contact Apple support but they refuse even to listen unless I pay them. Bearing in mind it was their faulty software that caused the problem I think their attitude stinks. If this is the way Apple is going to perform now that Steve Jobs is no longer there to kick ass, then I most certainly will not be updating my iPhone for the next generation. I will go back to Nokia, which served me well for over a decade. Nor will I be using iCloud.**

**David French**

**MacFormat Replies:** The iOS 5.1 update does seem to have solved the battery life problem that some users were having but, as your letter indicates, not for everyone. The general consensus seems to be that it's an issue with location services. If your battery life is lower than Apple's stated times then you should definitely pay a visit to the Genius Bar at your local Apple Store to see if it's a hardware fault. While Apple may charge for telephone support in some cases, a Genius Bar appointment is always free, and you'll get to talk to somebody face to face. You can book your appointment through the website: point your browser at www.apple.com/uk/retail/geniusbar.

3G
9:41 AM
"On May 19 remind me it's dad's birthday"
Here's your reminder for May 19, 2012 at 9 am:
19 Saturday May 2012
Dad's birthday
5/19/12
Cancel
Confirm

**Is your battery life poor? The iOS 5.1 update could solve the problem.**

### Not sold on Lion

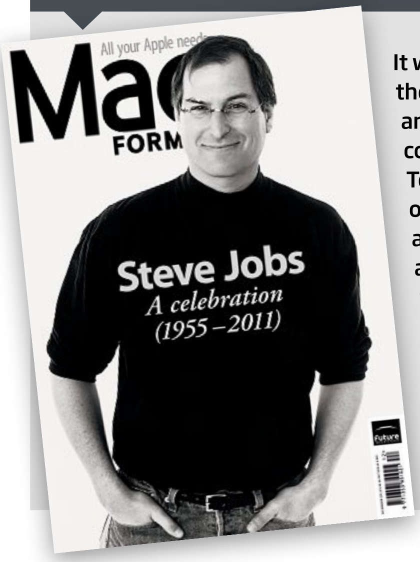
**I'm continually surprised by the articles and feedback I keep reading in *MacFormat* about how wonderful the new Lion features are. I installed it pretty soon after it came out and I really wish I hadn't.**

**First the single positive thing: Mission Control. It's definitely an improvement. It would be nice to have better names than Desktop 1, 2, 3 and so on, but that's minor.**

**Now the many negatives.**

**Launchpad is a waste of time and energy. Previously, I was able to group my applications in a multi-level hierarchy that was carefully structured to have**

## STAR LETTER / Steve Jobs issue



**It was an excellent idea to choose the photograph of a young, vital and radiant Steve Jobs for the cover of *MacFormat* issue 241. To me, this is the true reflection of the person who exerted such a deep influence on our lives and on our perception of technological progress as a force for good; something to be eagerly awaited, rather than feared.**

**The title 'A Celebration' is also well chosen. It was and is a pleasure to live during the time of Steve Jobs and his team at Apple. Together they have offered so many ideas and well-designed devices.**

**I congratulate you and your team on the *MacFormat* December issue.**

**Christiane Verbeeck**

**MacFormat Replies:** Thanks Christiane. We thought long and hard about that cover, and we're glad you enjoyed it. In fact we're particularly proud of issue 241. To order a copy, turn to page 101 for more details.

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## APPLE EVENTS / What's going on?

**CES, Las Vegas**
**10-13 January 2012**
The world's largest consumer technology trade show is customarily eclipsed by Apple's own announcements.

**BETT, London**
**11-14 January 2012**
The British Educational Training and Technology Show is the biggest of its kind and often a hotbed of Apple-related tech.

**NAMM, Anaheim**
**19-22 January 2012**
The world's biggest music and technology trade show is a great source of new solutions for music-makers.

**MACWORLD CONFERENCE AND EXPO, San Francisco**
**26-28 January 2012**
The once legendary Apple event continues despite Apple pulling out of the show.

**MACFORMAT**
**Issue 244, 31 January 2012**
Get your eyes and mind around the latest news, information, features and reviews from the world of Apple.

**CeBIT, Hannover, Germany**
**6-10 March 2012**
First established in 1970, Europe's largest technology show continues to be a tech-gadget banquet.

**things where I wanted them. With Launchpad, this is restricted to a single level of grouping. Plus all sorts of rubbish turns up there. Who needs every uninstall utility showing? Okay, you could just ignore Launchpad (which I do), however it's no longer possible to structure the apps like I did before. For example, I would like to have *iTunes* in a folder called 'Media'. Easy enough, you might think. But the attempt to move it lets you know that *iTunes* is part of the operating system and cannot be moved. It's the same with many other folders. (Remember when we all poured scorn on Microsoft when they claimed *Internet Explorer* was part of the OS?).**

**Next, Full Screen apps. *Mail* looks good when you first expand it. However, the inability to have more than one message open at one time, or to be able to refer to one while writing another, is a major disadvantage. Also, it's not possible to move an open email to a folder. It has to be closed first, which is highly irritating.**

***Address Book* and *iCal*: enough said already on that theme (almost). Instead of finding the best way to present addresses and calendar entries, Apple has concentrated on the best way to represent a paper implementation of these things. It's bad thinking.**

**Finally, my *Air Display* app (using the iPad as an extra monitor), which worked perfectly on Snow Leopard, still will not work on Lion due to driver problems.**

**Thank you for the opportunity to get that off my chest. I just wonder if there are others out there like me?**

**Alan Paterson**

**MacFormat Replies:** Lion is turning out to be one of the most divisive OS updates since Apple moved from OS 9 to OS X! At least we can't remember receiving so many similar emails about Tiger, Leopard or Snow Leopard. We'd like to hear from all our readers on the subject though. Has Lion disappointed? Do you agree with Alan's comments, or do you love the new features like Launchpad, Full Screen apps and Gestures? Please email macformat@futurenet.com to have your say.

**Are you a fan of Apple's latest big cat, or not? Let us know!**

## Stolen iMac

**Having had the unpleasant experience of my 27-inch iMac being stolen in a domestic burglary, I was disappointed that Apple could do nothing to help. Each computer has a unique serial code built in to the system – why can they not de-register this and report any attempt to use or re-register a stolen computer? Having tried through AppleCare, I found Apple's inability to help most disappointing. While it's too late for my iMac, I've now registered for Orbicule's *Undercover* (www.orbicule.com) which allows tracking of my MacBook should it be stolen and disables the device after a period of time. I think your readers should be aware of what can and cannot be done in these circumstances.**

**Conor Molloy**

**MacFormat replies:** Apple does have a 'Find my Mac' service as part of iCloud, but you'll need to enable it since it's off by default. Visit iCloud.com and log in with your Apple ID. Beyond this you're on your own, but third-party services can assist you in locating a stolen Mac. ●

## Twitter @#! talk

From the Twittersphere

**We asked:**
What do you love most about your Mac?

**@craigos_stone**
"The fact that you can turn it on and it's ready to go in under a minute!"

**@ithain**
"100% reliability and a fantastic OS."

**@danielmitchell**
"Simplicity. No #Wintel PC has ever worked as simply and reliably as my Mac."

**@timographer**
"I love that I don't have to think about it - it just works."

**@iMacAndy**
"Reliability, ease of use, App Store. Well, everything really. The list is too long for a tweet :)"

**@antonowski**
"I love the fact that working on even the most tedious task on the Mac is an enjoyable experience."

**@simonwhaley**
"It works ... which means I do too!"

**@siajsaonN**
"I love the simplicity, it's malware-free and totally ready to use out of the box."

**@owen_compton**
"I love my iMac 27-inch. Got it a year ago, filled it with files, apps and OS X Lion, and it's performance hasn't wavered. It's still like new."

**You can find out what we're up to each month by following the team at Twitter.com/MacFormat**

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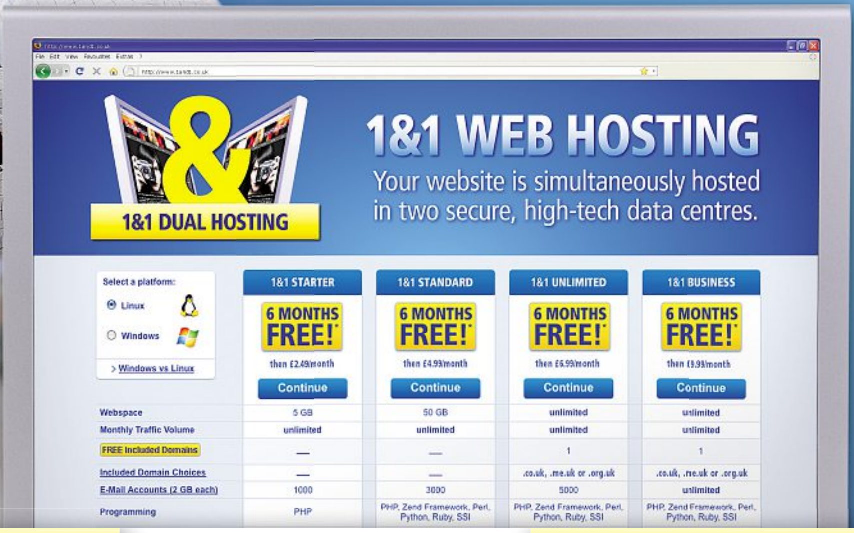

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| FREE Included Domains | — | — | 1 | 1 |
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**Words:** Rob Mead-Green **Illustrations:** Guilherme Schasiepen

## MacFormat investigates

# What's next for Apple in 2012

From next-generation iPads to super-slim MacBook Pros, 2012 is shaping up to be another great year for Apple fans. We look at the possibilities

The last 12 months have been a real roller coaster ride for Apple with some amazing highs and tragic lows, which have nevertheless seen the company go from strength to strength. The next 12 months look like they will be even more exciting – which is great news if you're in the market for a brand new Mac, iPhone, iPad or maybe something more. So let's take a peek into *MacFormat*'s crystal ball and see what we can look forward to before 2012 is out.

> *"Rumours emerging from the Far East suggest a new 15-inch MacBook Pro is already in production"*

We'll kick off by taking a closer look at what's going to happen to the Mac. Design chief Jonathan Ive is rumoured to be revamping the entire Mac line for 2012, kicking off with a 15-inch notebook that is expected to arrive in March or April. Rumours emerging from the Far East suggest the laptop is already in production, although it's not clear whether it will be a bigger sibling to the existing 11-inch and 13-inch MacBook Airs or an intended replacement for the current 15-inch MacBook Pro. Whichever model eventually emerges there are a few things about it that we do know: it will feature a similar wedge-shaped design to the current MacBook Air and will go without a SuperDrive, replacing it with a solid-state drive (SSD) instead. If true, this will help accelerate a trend Apple began with the original MacBook Air in 2008 – weaning users off optical media and pointing them at the Mac App Store, iCloud and the iTunes Store instead. The Mac mini took this route last July and the same is expected to happen to the iMac when a revamped version arrives this autumn, although no solid details have emerged as yet.

Another product whose future is uncertain is the Mac Pro desktop. Originally developed as a highly customisable powerhouse for designers, video makers and server farms, it's become increasingly irrelevant thanks to huge advances in processor power.

»

# What's next: iPad 3

**More power**
A quad-core A6 CPU would enable you to do more than ever before with an iPad.

**More storage**
The top-end model is likely to offer 128GB of storage for all your important files

**Retina display**
The iPad could finally get a Retina display this year, boosting its resolution to 2048x1536 pixels.

**LED backlight**
A new backlight design would ensure that the iPad's display is evenly lit.

**Glass back**
We think it would look great if the iPad 3 had a glass back, like the iPhone 4 and iPhone 4S.

## »PROFILE

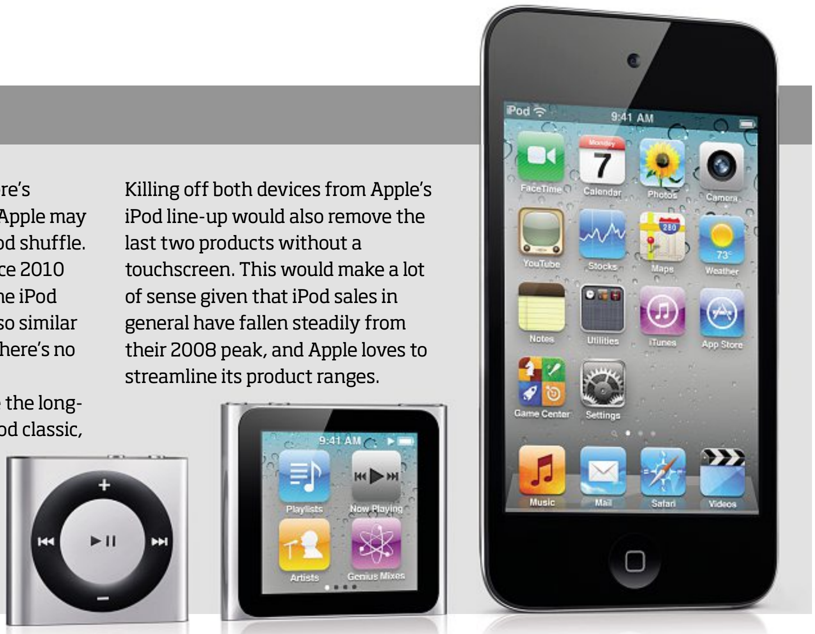
These images of future Apple products were created by 19-year-old illustrator and Industrial Design student Guilherme Schasiepen from Brazil. You can see more of his concept images at **www.flickr.com/photos/guilhermescha**

## » WHAT NEXT / For the iPod?

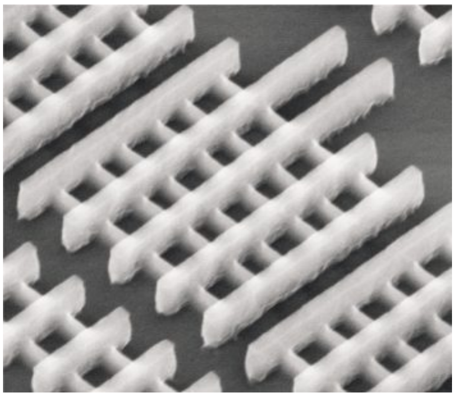
When Apple announced the iPhone 4S last October it was accompanied by news of only minor updates to the iPod touch and iPod nano. We're expecting more of the same in 2012.

That's because Apple's clearly focusing its efforts on other areas, and the era of standalone music players is slowly drawing to a close. One thing that has popped up in the US Patent Office is the possibility that Apple may add a small speaker to the clip on the iPod nano and iPod shuffle, so you can listen to them without plugging in a set of headphones. However there's growing speculation that Apple may also want to kill off the iPod shuffle. It hasn't been updated since 2010 and ArsTechnica argues the iPod nano's form factor is now so similar to the iPod shuffle's that there's no point in keeping both.

This year could also see the long-expected demise of the iPod classic, which hasn't been updated since 2009. Killing off both devices from Apple's iPod line-up would also remove the last two products without a touchscreen. This would make a lot of sense given that iPod sales in general have fallen steadily from their 2008 peak, and Apple loves to streamline its product ranges.



**The iPod touch and nano are likely to survive, but what about the shuffle?**



**BELOW:** **The Mac Pro's future looks in doubt, with Apple questioning further development. If it does disappear, Apple will start offering higher power Pro versions of computers like the iMac instead.**

**ABOVE:** **Apple is expected to be one of the first to benefit from 3D transistor technology used in Intel's forthcoming 'Ivy Bridge' CPUs, which are suited to ultraportable laptops like the MacBook Air.**

Rumour site AppleInsider says Apple has been questioning the Mac Pro's continued existence for some time, pointing to poor sales and the increasing numbers of new Macs that ship with Thunderbolt ports. These make it easy for anyone to add extra hardware like multiple displays and external storage, so it's just as likely that a designer or video maker will use an iMac or a MacBook Pro instead. At it stands, the current Mac Pro is hopelessly out of date (it was last revamped in 2010) and Apple may offer beefed up Pro versions of the iMac instead.

### Processors galore

Going hand in hand with these trends in 2012 are two things. The first is a new wave of Intel 'Ivy Bridge' processors, and the other is a possible switch away from AMD graphic processors (GPUs) back towards Nvidia.

Intel's next-gen 'Ivy Bridge' processors are already in mass production and use a 22-nanometre process that will enable them to be smaller, less power-hungry and yet more powerful than the current range of 32-nanometre 'Sandy Bridge' Core i3, Core i5 and Core i7 processors. (The latter lie at the heart of the current MacBook Air, MacBook Pro, Mac mini and iMac.) Ivy Bridge will support a new generation of ultra high-resolution displays (Apple already includes support for these in OS X 10.7 Lion) and will also bring quad-core processing to ultra-slim devices like the MacBook Air. Ivy Bridge processors also promise improved integrated graphics performance of up to 60% over the current Sandy Bridge versions. That could be great news for Macs that use Intel's integrated HD graphics, such as the MacBook Air and 13-inch MacBook Pro (rather than separate AMD Radeon graphics cards inside current 15-inch and 17-inch MacBook Pros and iMacs). Sandy Bridge-based chipsets will also include official support for both Thunderbolt and USB 3.0, something the late Steve Jobs was hoping for and expecting.

While Thunderbolt is ideal for ultra-fast data transfer speeds of up to 10Gbps, its high price is a limiting factor. There are still few third-party peripherals that support the technology and those that do are expensive. By including USB 3.0, Apple will also give Mac users access to a number of relatively low-cost peripherals and data transfers speeds of up to 5Gbps. That's nowhere near as fast as Thunderbolt, but up to 10x better than the 480Mbps speeds that USB 2.0 offers now. The expectation is that USB 3.0 ports will begin appearing in new Macs in late March to early April, which chimes nicely with the expected arrival of the new 15-inch MacBook Pro.

> *"By including USB 3.0, Apple will give Mac users access to a number of relatively low-cost peripherals"*

The likely switch to nVidia for the discrete graphics cards used in high-end MacBook Pros and the iMac is the reversal of a trend that started three years ago. Back then Apple dropped Nvidia due to supply issues with graphics chips for the MacBook Air. But now it has apparently signed it up again to supply chips and graphics cards for inclusion in 2012 Macs.

### Supply and demand

However it looks like supply issues may be raising their ugly head yet again. SemiAccurate, broke the original Apple/Nvidia story late last year. And now it says Nvidia already appears to be running into manufacturing problems with the 'Kepler' chips it's contracted to supply to Apple (http://semiaccurate.com/?p=14143).

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**4G / LTE**
Super-fast broadband technology will make web surfing an even smoother experience.

**Superpower**
The iPhone 5 will include a quad-core A6 CPU for speedy multi-tasking.

**iOS 6**
Apple's bound to release a new version of the iOS operating system this year.

**Larger display**
The iPhone 5 is expected to include a 4-inch display, up from 3.5-inches now.

# What's next: iPhone 5

Of course 2012 won't just be about Macs and new versions of OS X: there's the whole ecosystem surrounding iOS – iPads, iPods, iPhones, iCloud and iOS itself – to factor in too.

One thing we do know for sure is that 2012 will finally see the arrival of the iPhone 5. Originally slated to appear last October, it was instead substituted at the last minute by the iPhone 4S, according to rumours, because Steve Jobs changed his mind about the size of the iPhone's display. To his mind, the 4-inch screen of the iPhone 5 made the iPhone line look 'fragmented', because previous generation iPhones still on sale – like the iPhone 3GS and iPhone 4 – both sport 3.5-inch screens.

According to Tom's Guide, Steve was never a fan of big displays anyway, although what that entails for the display on the 2012 iPhone 5 is unclear. All the latest rumours suggest that the iPhone 5 will, indeed, still sport a 4-inch display. This will go with a quad-core A6 processor, Retina display and new, slimline tapered design that's a little longer than the blockier iPhone 4S model available today. The iPhone 5 is also expected to add support for 4G/LTE mobile networks, which could eventually deliver real-world mobile broadband speeds of up to 10-15Mbps (compared to the 1.5Mbps 3G networks deliver today). Mobile network O2 is already trialling 4G/LTE in London before it's rolled out across the country later this year, when it's expected to be joined by Vodafone and Everything Everywhere (Orange/T-Mobile). That, of course, will suit Apple down to a tee: the iPhone 5 is expected to launch next summer, although it could slip back to the early autumn as the iPhone 4S had done.

> *“If 4G/LTE technology is coming to the iPod, you can bet your last buck the iPad will get some of that too”*

If 4G/LTE technology is coming to the iPod, then you can bet your last buck the iPad will get some of that action too. The question is: when? Current rumours suggest that up to three iPads could go on sale next year, partly as a response to growing competition from rival devices. At the top end, we could see an iPad 3 with a 9.7-inch 2048x1536 pixel Retina display and quad-core A6 processor; plus a mid-priced, fast-paced iPad 2S, with the existing iPad 2 becoming the low-end model. However, some sources are also suggesting that Apple may instead launch a 7-inch iPad to directly compete with the Kindle Fire. LG is reportedly already making 7-inch displays for Apple, although this sounds like wishful thinking more than anything else. If the current rumours surrounding the iPhone 5's 4-inch display turn out to be correct, having a 7-inch iPad as well would be a niche too far.

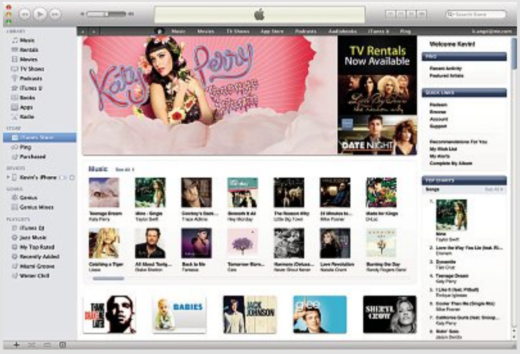
One other new technology that could turn up in the iPad 3 – and the iPhone 5 come to that – is NFC or Near Field Communications. Similar in principle to Bluetooth, NFC enables devices to talk to one another over short distances. So you could use your iPhone as a digital wallet to pay for things like food or train tickets, or use it on your iPad to control a Mac from the other side of your living room.

## WHAT NEXT / iTunes in 2012

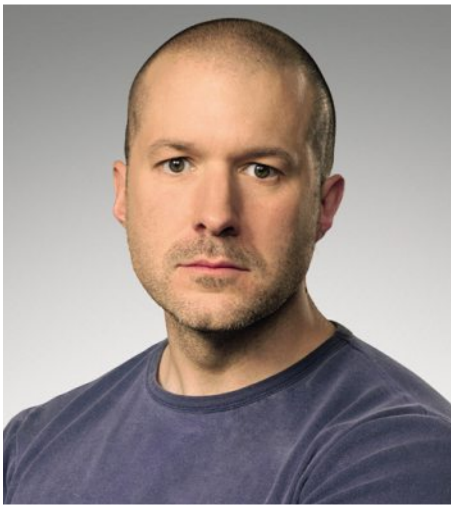
Now that iCloud's up, running and doing pretty well, Apple can finally get on the job of bringing iTunes kicking and screaming into the 21st century. This is already partly underway with the launch of iTunes Match in the USA last October, but the signs are that it will also be coming to Europe very soon.

iTunes Match enables Apple to pair the songs in your iTunes library with identical tracks on the iTunes Store so you can easily access them from any compatible device you use. Better still, it also offers to upgrade any low bit-rate tracks you have to 256kbps AAC ones. You can even upload the tracks it cannot match on the iTunes Store so you always have a complete copy in iCloud.

What we're hoping will happen next is that Apple will do something similar with video via Wi-Fi, so you can enjoy your favourite TV shows, movies or home movies in a similar fashion (a bit like you can now with devices like the Slingbox). We're also still eagerly expecting iTunes 11: a complete ground-up rewrite that's long been rumoured, but which could finally make our enjoyment of our music, movies and so on a little simpler and a lot more fun. Given the bloat of the current version, we're hoping it's not far away.



The next version of iTunes could see a total rewrite. We hope so.



**ABOVE:** Apple design chief Jonathan Ive has been given free rein over future Apple products. This would suggest there could be some exciting products in store for 2012.

That could force a delay in the launch of any Macs sporting the GPUs. If true, it's unlikely to make Nvidia very popular with Apple.

### The Ive effect

While all this is very interesting and exciting, we haven't yet covered what could be the best Mac news of all in 2012: the possibility of a completely new Mac model. Jonathan Ive and his design team are apparently already working on this new product, although very little news has emerged as to what it could actually be.

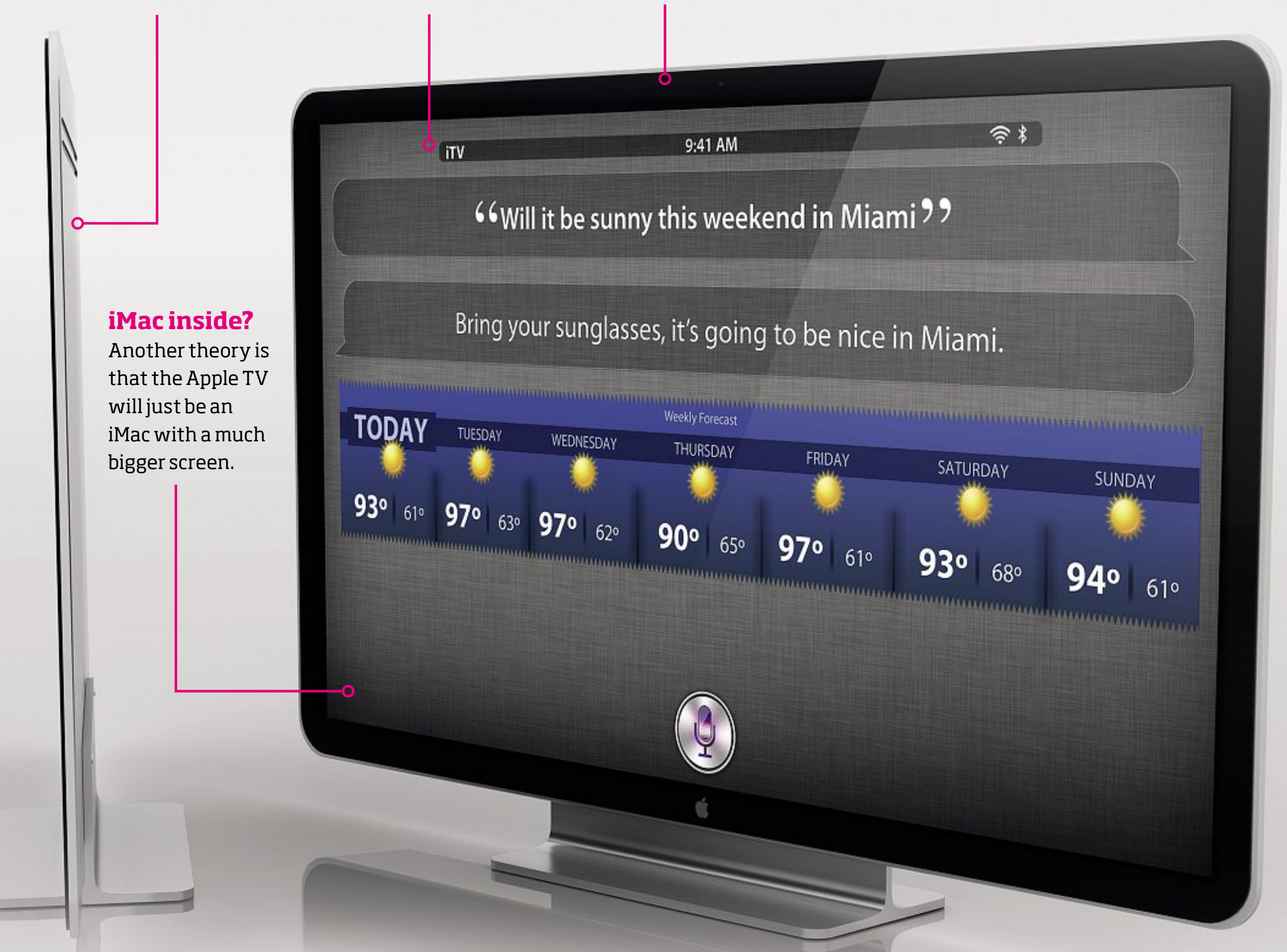
One possible suggestion can be found in a patent application by Apple that was only granted late last year. It suggests that Apple is already hard at work combining the talents of two of its most successful products: the MacBook Air and the iPad. The patent, discovered by Patently Apple, clearly shows a MacBook with a clutch barrel and rotatable display (http://bit.ly/tyV8DW). The idea, of course, isn't new: Microsoft and its hardware partners first got there in 2002. Then the sheer bulk of the hardware and the Tablet PC's rudimentary pen-based interface ensured they never really took off. But you know that when Apple turns its attention to something it will do it brilliantly, simply and well, which is exactly what the patent suggestions. One more thing: the patent also includes an application to Apple for a new telephone transceiver design, which suggests that Apple is also aiming to include support for next-gen mobile networks that use 4G/LTE technology in future laptops. A separate patent application also shows that Apple is thinking of including GPS antennas too.

> *"A patent application suggests Apple is already hard at work combining two of its greatest products"*

Also on the horizon for 2012 is OS X 10.8, the successor to OS X 10.7 Lion. The first news about it emerged in October, although it was showing up in web logs as far back as August, not long after Lion launched. What's not clear yet is when OS X 10.8 is likely to launch. Apple typically spaces major OS launches two years apart. That certainly was the case with OS X 10.5 Leopard (2007), OS X 10.6 Snow Leopard (2009) and OS X 10.7 Lion (2011). Although in each case the operating system was previewed a year ahead of launch at Apple's annual World Wide Developer Conference (WWDC). That would peg OS X 10.8 as arriving on schedule in 2013, although Apple could break precedent and launch earlier. This would steal some of the thunder from Microsoft Windows 8,

Dashboard
Desktop
iPhoto
Mail
iCal
Safari
Pages
App Store
MacBook Air

**BELOW:** Work on the replacement for OS X 10.7 Lion is already underway. A sneak preview is expected at the 2012 World Wide Developers Conference (WWDC).



**Screen size**
Apple TV displays will range from 32-inches to 55-inches in size.

**Voice control**
Who needs a remote when you can get Siri to change the channel for you?

**Gesture control**
Or you could just make motion gestures, Xbox Kinect-style.

**iMac inside?**
Another theory is that the Apple TV will just be an iMac with a much bigger screen.

# One more thing: The Apple TV

Perhaps the biggest news from Apple this year won’t be about the Mac, the iPad or the iPhone, but about Apple’s little ‘hobby’, the Apple TV. Rumours are rife that Apple is going to try to turn another industry on its head by launching its first Apple-branded TV set. Like the current ‘hockey puck’ model, this would be powered by iOS and offer movies, music video and TV shows from the iTunes Store, but the speculation is that they’ll be even more revolutionary than that.

For one, the late Steve Jobs told his biographer Walter Isaacson that he had finally cracked the conundrum that Apple has been dealing with ever since the first Apple TV launched in 2007: how to make a technically advanced but easy-to-use TV without losing loads of money; and how to avoid being forced to compete with TV and cable companies that can afford to subsidise the cost of their set-top boxes or give them away for free. Selling physical TVs is the obvious solution, but it also has a major flaw: most big-name TV makers are either losing money (Sony) or hiving off their TV divisions (Philips) because of stiff competition. Apple has apparently already teamed up with Japanese electronics maker Sharp to produce the LCD panels it needs for the displays. (A retooled production line in Japan is apparently poised for production.) You can expect that Apple will charge a premium for such a product, but it could well be worth it. One of the most enticing prospects is that the TV could be controlled by using simple motion gestures (such as those Xbox 360 gamers can do with Kinect right now) and Siri voice commands. Assuming the rumours are correct, the first Apple TVs are expected to arrive in the middle of 2012, and in sizes ranging from 32-inches to 55-inches.

> *“Rumours are rife that Apple is going to attempt to turn another industry on its head by launching its own TV”*

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**Words:** Nik Rawlinson **Illustration:** Chris Hedley

# Get more from iCloud

iCloud is the missing link between your Mac and your iPad, iPhone and iPod touch. Here's how to hook them up!

Poor old MobileMe. It tried hard, but never quite delivered. Expensive, sometimes slow and saddled with a clumsy name, it has long had the air of an unloved child. Its development cycle was long and drawn out. And by the time Steve Jobs announced the end of its short and undistinguished life, just two years after its rebirth from the ashes of .Mac, few were inclined to shed any tears.

Yet it wasn't all bad. The email service was stable and largely dependable. It synced our contacts, so we didn't need to tap them all in on an iPhone keyboard, and the calendar tool always made sure we turned up on time, wherever we happened to be. Apple knew this as well as anyone, which is why it chose to preserve those parts, jettisoning the web publishing, photo gallery and iDisk, as it set about building iCloud.

Housed in a vast data centre in North Carolina, iCloud is Apple's next-generation online service. It syncs your iPhone, iPad, Mac and iPod touch. It can track a lost device, copy your iPhone snaps over the web so they're safely backed up on your Mac, and synchronise your *iWork* files so that whatever device you're using, downtime is never wasted time.

Over the next eight pages, we'll show you how to set up your Mac and iOS devices to use iCloud, how to sync your apps and data, and how easy it is to back up your documents to the web. You'll soon see that MobileMe's demise really was the iCloud with a silver lining. »

HDR On
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42 of 44
Quick Fixes
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Levels
Exposure:
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Saturation:
Avoid saturating skin tones
Definition:
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Zoom
Info
Edit
Create
Add To
Share
MacBook Air

# Get prepared

## Update your apps and get ready to reach for the iCloud

iCloud
16
Mail
Contacts
Calendar
Find My iPhone
iWork

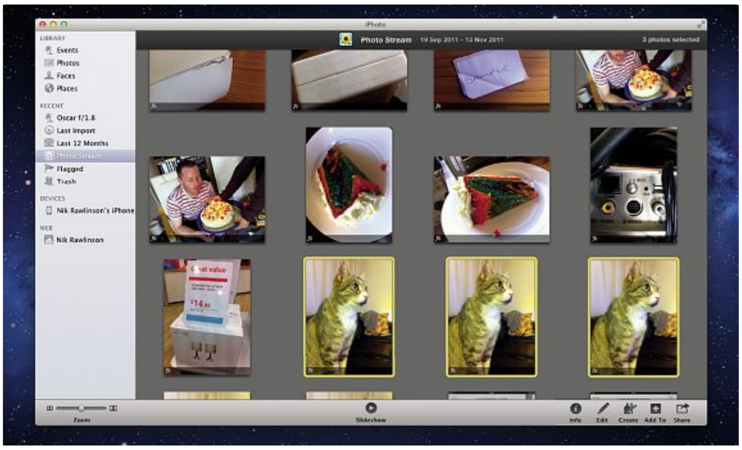
**>> QUICK TIP**
iCloud gives over the whole of your browser window to each online application. To switch between them, click the iCloud logo in the top-left corner of the window.

Whether you're moving an existing MobileMe account to iCloud or setting it up for the first time, Apple has applied its trademark logic to the process to make it as simple as possible. The most important step you need to take is to make sure all of your devices are up to date and running the most recent versions of each headline app. Here we'll walk you through the process, step by step.

### Update your Mac

To take advantage of all of iCloud's features you need to be running OS X Lion. This is now well bedded in and although some older machines appear to run a little slower than they did under Snow Leopard, it's generally proved to be fault free and enjoys good compatibility with existing third-party hardware and software.

iCloud requires Lion version 10.7.2 or later, which is the version currently being shipped through the App Store (£21, from http://bit.ly/rz6USt). If you upgraded to Lion when it shipped back in July and haven't touched it since then, run *Software Update* now to downloaded the latest revision before going any further.



**Updating Aperture or iPhoto adds iCloud support, most evident with the Photo Stream.**

Lion only works on Macs running on an Intel Core 2 Duo, Core i3, i5 or i7, or Xeon processor. That precludes the earliest Intel Macs and anything running a PowerPC processor. It requires a minimum of 2GB of RAM, 7GB of hard drive space and Mac OS X 10.6.6 or later. This was the first version of the OS released via the Mac App Store, through which the 4GB installer must be downloaded.

If you're on a capped broadband deal or you don't have broadband, then all is not lost. Head for a bricks-and-mortar Apple Store if you have one within reasonable driving distance and download it there using the free Wi-Fi. Alternatively, order the £55 OS X Lion USB Thumb Drive from http://store.apple.com/uk/product/MD256Z/A. It's over twice the price of the downloaded edition, but it does come on one of the best-looking thumb drives we've ever seen.

### Update iPhoto/Aperture

One of the most exciting features of iCloud is Photo Stream (see page 38), which automatically copies the 1,000 photos you've most recently taken over the last 30 days between your iPhone, iPad and iPod touch, as well as backing them up to any Mac running *iPhoto* or *Aperture*.

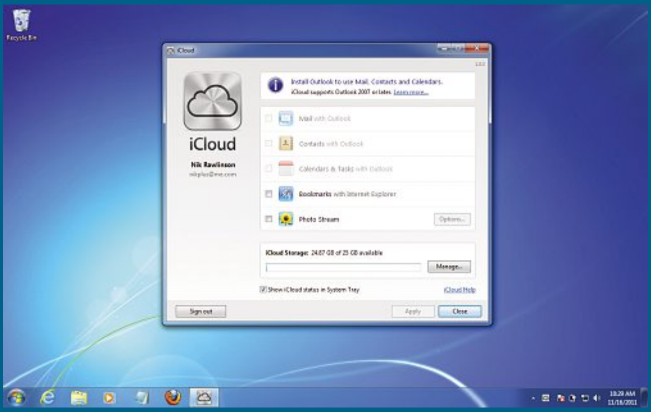
Again, you'll need to ensure that you're running the very latest edition

### >> HOW TO / Set up iCloud on your PCs as well as your Macs

Apple rethought its decision 10 years ago to make the iPod a Mac-only music player. In doing so it became the world leader in that field, as well as the field of tablets and, to a large degree, smartphones.

Apple has therefore made sure that, once an account is up and running, it's as easy to set up on a Windows PC as it is on the Mac. All you need, of course, is a Mac or iOS device to sign up to iCloud.

Step one is to download the iCloud Control Panel for Windows from **http://support.apple.com/kb/DL1455**. This works on Windows Vista Service Pack 2, or Windows 7. It's not available for Windows XP users. It requires broadband internet, and either *IE 8* or the Windows version of *Safari 5.1.1* for synchronising bookmarks. Apple recommends using *Outlook 2007* or *2010* for synchronising mail, contacts and calendars. Once installed, open Control Panel > Network and Internet > iCloud and enter your Apple ID and password. You can optionally show your iCloud status in the System Tray.



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☐ Contacts with Outlook
☐ Calendars & Tasks with Outlook
☐ Bookmarks with Internet Explorer
☐ Photo Stream

iCloud Storage: 24.87 GB of 25 GB available

☑ Show iCloud status in System Tray

**If you also have a Windows PC, be sure to install the free iCloud Control Panel.**

of either of these applications. In the case of *iPhoto*, that's *iPhoto 11* version 9.2 or later, while *Aperture* users should be running version 3.2 or later. Both of these are available through the Mac App Store (*iPhoto 11* costs £10.49, from **http://bit.ly/ttT3XM**; *Aperture 3* costs £55 from **http://bit.ly/ifnFgX**).

## Update iTunes

iCloud has taken over from MobileMe as the main synchronisation conduit for all of your data on Apple's integrated ecosystem. That includes not only your contact, email accounts, calendars and so on, but also your purchases through the iTunes Store, iBook Store and Mac App Store.

That means that any purchase you make on any of your devices, or through *iTunes* on your Mac, will automatically be synchronised on each of your other devices. This works on your iPhone, iPad and iPod touch as soon as you upgrade to iOS 5 and activate iCloud. But to get the Mac side of things working you need to upgrade to *iTunes 5* or later, again through *Software Update*.

## Update iOS devices

iCloud is compatible with the iPhone 3GS, 4 and 4S, iPad and iPad 2, and the third- and fourth-generation iPod touch. Each must be running iOS 5 to gain access to options for enabling the integrated iCloud features that sit at the heart of the OS. The original iPhone and iPod touch only support as far as iPhone OS 3.1.3, and the iPhone 3G and second-generation iPod touch, iOS 4.2.1.

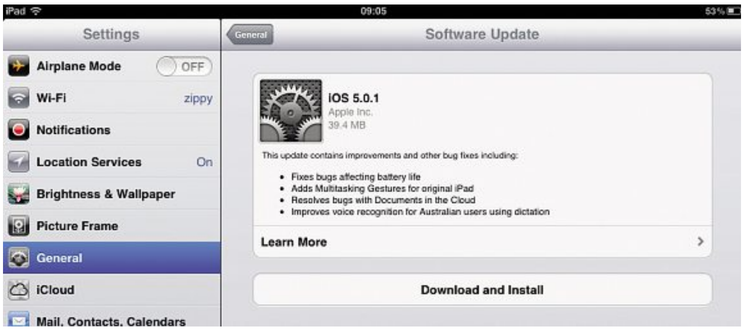
If you're updating several identical devices at one time, download the iOS 5 setup files manually so that you don't tie up your internet connection as *iTunes* retrieves them for each device individually. See **http://bit.ly/vn3R9j** for the direct download links and instructions on how to apply each patch. Be aware that if you follow this route, the bundles differ according to which device you want to update. So while the OS underpinning your iPad 2, iPhone 4 and iPod touch might all be called iOS 5, they differ sufficiently for you to require a different setup file for each one.

The simplest route to updating your device, therefore, is to connect it to your Mac using USB and launch *iTunes*. *iTunes* will check Apple's servers for the iOS 5 update and patch your device. Click **Download and Update** to proceed, having already performed a manual synchronisation to ensure there's an up-to-date backup of your data in place should anything go wrong.

Once you've updated to iOS 5, all future software updates can be performed directly through the phone without plugging it in to your Mac. Tap Settings > General > Software Update to check for new releases.

You'll also need to update your Apple TV to take advantage of Photo Stream and access your previous *iTunes* purchases. Do this by using your remote to select Settings > General > Software Update. When Apple TV has located the installer, click **Download and Install** (or **Download Now** on a first-generation Apple TV). When the download completes on Apple TV 2, the update will have been applied. On Apple TV 1, click **Update Now**. Note that only Apple TV 2 is compatible with iCloud Photo Stream.

With all of your devices and applications up to date, it's time to take the plunge and set up your iCloud account properly. For existing MobileMe members, this is a simple matter of transferring your existing account. Everyone else, however, is starting from scratch. Turn the page to get started.



iOS 5.0.1
Apple Inc.
39.4 MB

This update contains improvements and other bug fixes including:

- Fixes bugs affecting battery life
- Adds Multitasking Gestures for original iPad
- Resolves bugs with Documents in the Cloud
- Improves voice recognition for Australian users using dictation

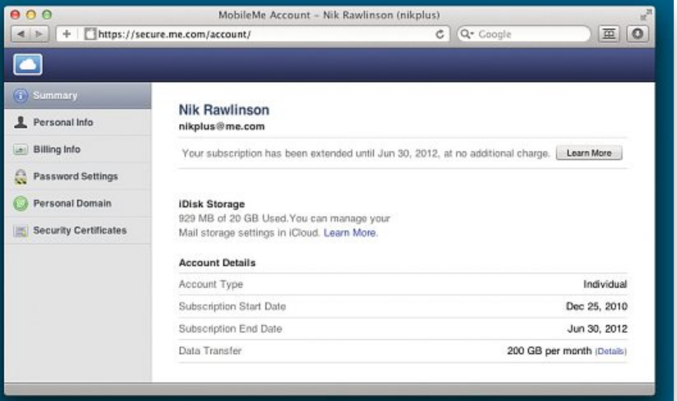
**Once you've upgraded devices to iOS 5, they can check for software updates over the air.**

## » MOBILEME / Are subscribers being ripped off?

iCloud is free. So to assuage paid-up MobileMe users who might feel cheated that most of its features are now available gratis, Apple has extended the life of all MobileMe accounts until the end of June 2012. It has also upgraded these users' online storage on iCloud from the default 5GB to 25GB, which would usually cost £28 a year.

Cynics might claim that this is little more than a sales tool. Existing customers will soon get used to the idea of having 25GB of cloud storage at their disposal and may well go on to pay for it to be maintained when their accounts expire. In truth, though, it's actually a pretty good deal. Apple is locked in to supporting several MobileMe services that it would clearly rather shut down, such as iDisk and photo galleries. This means that paid-up MobileMe members actually have access to a minimum of 45GB of storage split between their iCloud and MobileMe accounts, with generous download limits. Further, as mail has now been moved across to iCloud.com, you don't need to deduct the size of your inbox from the MobileMe disk space.

The answer, then, is no – Apple is far from ripping off its loyal MobileMe membership. Enjoy it while it lasts, though: when MobileMe shuts down next summer, storage will be halved. And if you choose not to pay for an extra 20GB, your iCloud account will be trimmed to just 5GB.



Nik Rawlinson
nikplus@me.com

Your subscription has been extended until Jun 30, 2012, at no additional charge.

iDisk Storage
929 MB of 20 GB Used. You can manage your Mail storage settings in iCloud. Learn More.

Account Details

| | |
|---|---|
| Account Type | Individual |
| Subscription Start Date | Dec 25, 2010 |
| Subscription End Date | Jun 30, 2012 |
| Data Transfer | 200 GB per month (Details) |

**Apple has extended fully subscribed MobileMe users' account for free.**

## » QUICK TIP

If you have an unused, boxed MobileMe activation code, point your browser at **http://bit.ly/tj2xnb** and fill out the form for a full refund.

»

# Setting up iCloud

Ten minutes and you're done. Here's your no-nonsense guide…

**» QUICK TIP**

iTunes Match launched behind schedule in the US and isn't yet available in the UK. When it eventually appears, $25 a year will bring you online streaming of your entire music library.

## iCloud for new users

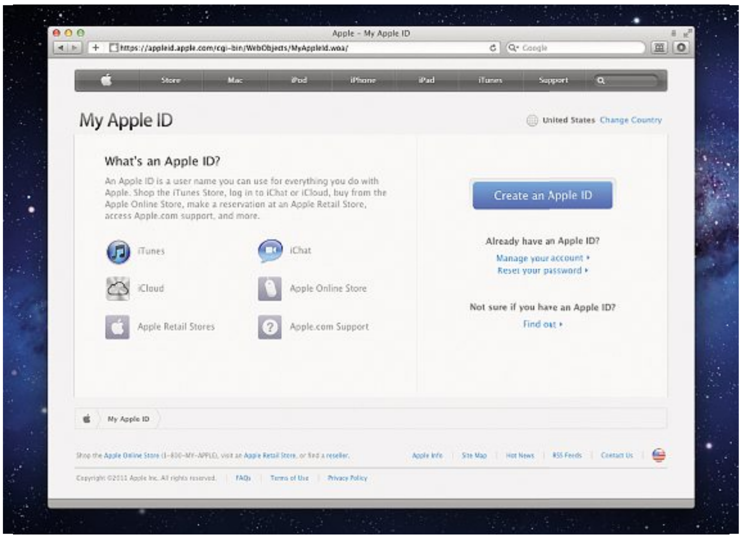
Signing in to iCloud requires an Apple ID. If you've ever bought anything from one of Apple's online stores – music, apps, books, videos and so on – you already have an Apple ID. If you can't remember what it is, point your browser at **https://iforgot.apple.com**, click **Forgot Apple ID** and enter your name, address and email address (or, if you can remember your Apple ID but you've forgotten your password, simply enter your ID in the box and click **Next**).

If you don't already have an Apple ID you can sign up for one for free without making any purchases at **https://appleid.apple.com**. Your selected Apple ID will take the form of an email address, but note that you can't use an existing MobileMe address here. If you have one, it counts as an existing Apple ID, so you can use that to set up your Mac and iOS devices.

So with your Apple ID registered, point your browser at **http://icloud.com** and sign in.

## MobileMe users

As you already have an account set up, you need to convert it to iCloud. Open a browser window and visit **www.me.com/move**. You'll need to enter your MobileMe password to authorise the transfer. There's no such thing as an iCloud family account, so master account holders of MobileMe Family Packs will have to transfer each user individually.



My Apple ID

United States Change Country

What's an Apple ID?

An Apple ID is a user name you can use for everything you do with Apple. Shop the iTunes Store, log in to iChat or iCloud, buy from the Apple Online Store, make a reservation at an Apple Retail Store, access Apple.com support, and more.

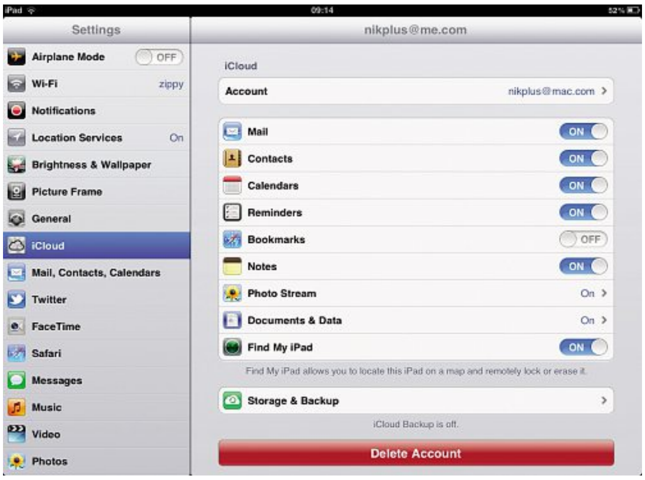
Already have an Apple ID?
Manage your account ›
Reset your password ›

Not sure if you have an Apple ID?
Find out ›

Shop the Apple Online Store (1-800-MY-APPLE), visit an Apple Retail Store, or find a reseller.

Copyright ©2011 Apple Inc. All rights reserved. | FAQs | Terms of Use | Privacy Policy

Apple IDs are free, but if you've bought from its online store you may have one already.



Airplane Mode OFF
Wi-Fi zippy
Notifications
Location Services On
Brightness & Wallpaper
Picture Frame
General
iCloud
Mail, Contacts, Calendars
Twitter
FaceTime
Safari
Messages
Music
Video
Photos

iCloud
Account nikplus@mac.com ›
Mail ON
Contacts ON
Calendars ON
Reminders ON
Bookmarks OFF
Notes ON
Photo Stream On ›
Documents & Data On ›
Find My iPad ON

Find My iPad allows you to locate this iPad on a map and remotely lock or erase it.

Storage & Backup ›

iCloud Backup is off.

**Use the sliders to specify the data types you want to synchronise over MobileMe.**

## Data synchronisation

Like MobileMe before it, iCloud synchronises all of your day-to-day data, including appointments and contacts, between each of your devices. Again, setting this up is a two-step process conducted first on your Mac and then on your iOS device.

Open System Preferences > iCloud on your Mac and log in using the Apple ID and password tied to your iCloud account. Now check the boxes beside the data you want to synchronise, including **Contacts**, **Calendars**, **Bookmarks** and **Mail & Notes**. As with MobileMe, this latter option doesn't synchronise your email messages – just your account settings. However, it does synchronise jottings created using the *Notes* application on your iPad or iPhone, filing them neatly inside the OS X *Mail* application.

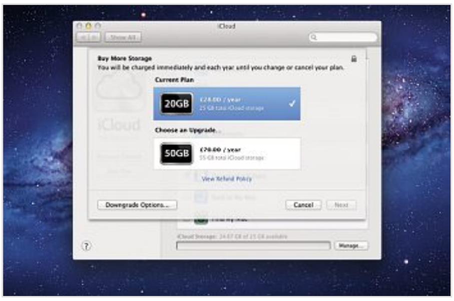
> *"If you've ever bought anything from one of Apple's online stores, you have an Apple ID"*

Now turn to your iOS device and add your iCloud account: tap Settings > Mail, Contacts, Calendars > Add Account… and enter your Apple ID credentials, choosing iCloud as the account type.

With this in place, step back to the overall **Settings** screen and tap iCloud, followed by the sliders beside the data types you want to synchronise. That way they match the ones you activated on your Mac.

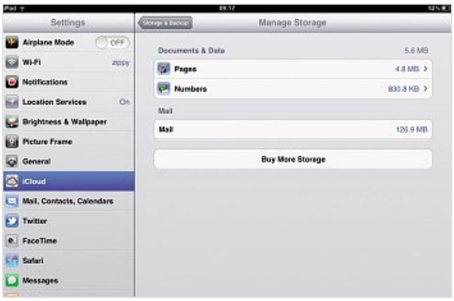
Bear in mind that the more you synchronise, the more you'll eat into your storage allocation, with even *Mail* and any attachments in your inbox, outbox, drafts and folders counting against your limit. Photo Stream is the only synchronisation feature that Apple excludes from its calculations when working out how much you've used. And for good reason: it would be impossible for you to accurately judge in advance the exact size of each picture you take and how much space it will occupy on Apple's servers. You should therefore avoid synchronising more data types

## » HOW TO / Free up space on your iCloud account


iCloud
Buy More Storage
Current Plan
20GB
Choose an Upgrade
50GB
Downgrade Options…
Cancel
Next

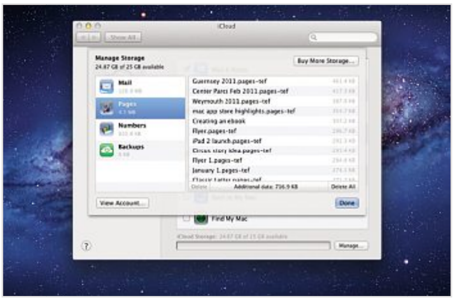
### 01 Consider an upgrade

Every iCloud account comes with 5GB of free storage, which you can optionally upgrade by 20GB or 50GB for £28 and £70 a year respectively. You might consider doing this when things start to get tight. But before you do, how about clearing out some unused files?


Settings
Manage Storage
Airplane Mode
Wi-Fi
Notifications
Location Services
Brightness & Wallpaper
Picture Frame
General
iCloud
Mail, Contacts, Calendars
Twitter
FaceTime
Safari
Messages
Documents & Data
Pages
Numbers
Mail
Buy More Storage

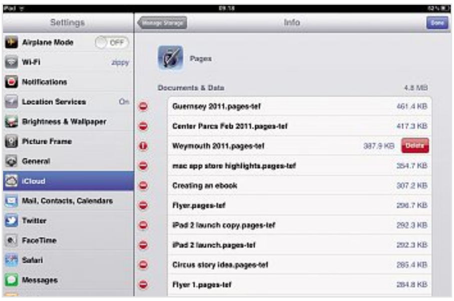
### 02 Manage current storage

You can manage your iCloud storage from either your Mac or an iOS device. If you're at your Mac, simply open System Preferences > iCloud and click the **Manage…** button. On iOS, tap Settings > iCloud > Storage & Backup > Manage Storage.


iCloud
Manage Storage
Buy More Storage…
Mail
Pages
Numbers
Backups
View Account…
Delete All
Done

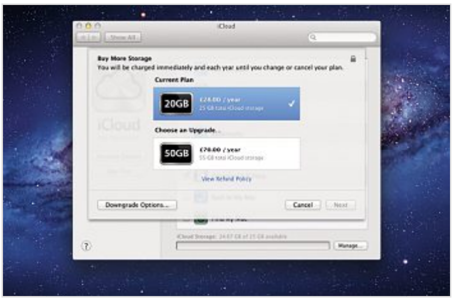
### 03 Clear unused files (OS X)

On OS X, click through the various apps that are authorised to save data to your iCloud space to see which apps are hogging more than their due. Select the files you don't need any more and press ⌘+⌫ to remove them, or click **Delete All** to clear out all files of that type.


Settings
Manage Storage
Info
Done
Pages
Documents & Data
Guernsey 2011.pages-tef
Center Parcs Feb 2011.pages-tef
Weymouth 2011.pages-tef
Delete
mac app store highlights.pages-tef
Creating an ebook
Flyer.pages-tef
iPad 2 launch copy pages-tef
iPad 2 launch.pages-tef
Circus story idea.pages-tef
Flyer 1.pages-tef

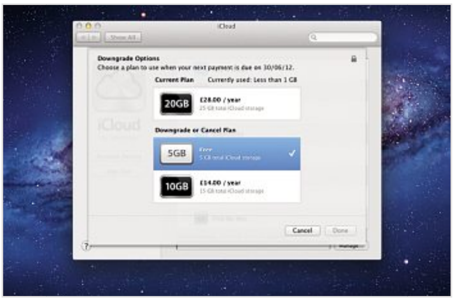
### 04 Clear unused files (iOS)

On your iOS device, tap the name of each application in turn, followed by **Edit**, and then the red circles beside the names of the files you want to remove. This calls up a series of red **Delete** buttons. Simply tap these to confirm the removal.


iCloud
Buy More Storage
Current Plan
20GB
Choose an Upgrade
50GB
Downgrade Options…
Cancel
Next

### 05 Buy more storage

If you still need more storage, step back to **Manage Storage** on iOS, or click **Buy More Storage…** in OS X and select the amount of extra space you want to buy. Bear in mind that the specified quantities are in addition to your free 5GB account.


iCloud
Downgrade Options
Current Plan
20GB
Downgrade or Cancel Plan
5GB
10GB
Cancel
Done

### 06 Downgrade options

Avoid paying for additional storage that you may no longer need when your account comes up for renewal by setting it to a more appropriate level. Click **Downgrade Options…** and select your new account quota. Note the billing details at the top of the pane. ●

than you need if you want to avoid having to upgrade to a paid account at some point in the future.

## iTunes Store syncing

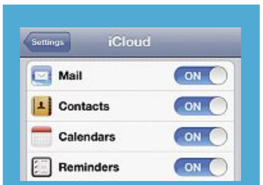
*iTunes'* status has been demoted slightly since the arrival of iOS 5 in that you don't need to use it to set up a new iPhone, or necessarily plug in your phone using USB to sync it. However, it remains a hub for your incoming data and an essential backup location for downloaded apps, books and music, so that should you lose your iOS device you won't also lose all your purchases.

Launch *iTunes* and click iTunes > Preferences > Store, then click the check boxes beside **Music**, **Apps** and **Books** to automatically download all purchases made on your iOS devices simultaneously to your *iTunes* library. This saves you syncing your device manually the next time you want to create a backup.

Setting up *iTunes* is only one half of the process, as you need to enable the same options on your iOS devices. Here, click Settings > Store and tap the sliders beside **Music**, **Apps** and **Books** to activate synchronisation. On the iPhone and on 3G-enabled iPads you'll find a further option here to download your purchases over the cellphone network. Tap the slider beside **Use Mobile Data** to do this, but only if you're sure you're happy for your mobile 3G data allowance to be used in this way.

If you are intending to take your device overseas, be sure to disable this particular feature. The excess fees you'll be charged for data roaming will make even a free app painfully expensive.

> *"If you're going to take your device overseas, be sure to disable 3G mobile data usage"*


Settings
iCloud
Mail
ON
Contacts
ON
Calendars
ON
Reminders
ON

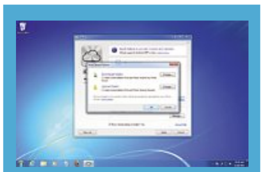
### » QUICK TIP

Worried about exceeding your 3G contract's data allowance? Remember that you can selectively shut down related services from your iPhone using the switches found at Settings > iCloud.

»

# Photo Stream

## The simplest way to ensure you never lose a photo again



### >> QUICK TIP

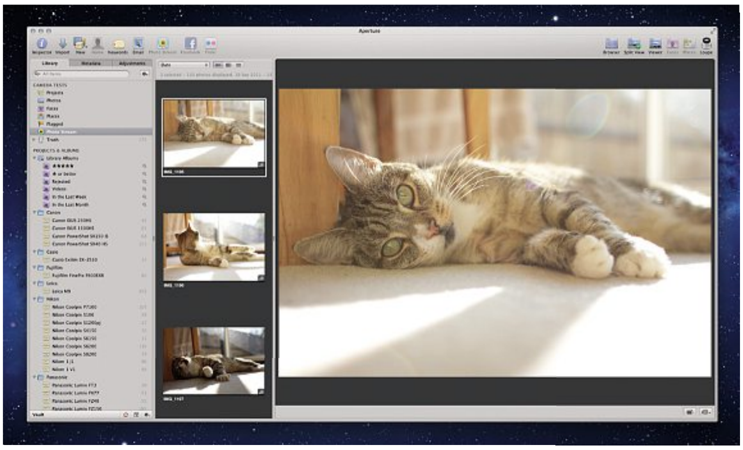
If you also have a PC, there's nothing stopping you from synchronising it with the photos you take on your iOS devices. Just enable **Photo Stream** in the **Control Panel** and click the **Options** button to select the separate download and upload folders for your images.

Photo Stream is like *Time Machine* for your iPhone snaps. Take a photo on any device running iOS 5 or later and it'll be synchronised to all of your other devices, and your Mac, without any input from yourself. It's quite magical the first time you see it in operation, but how does it work, and how can you put it to use?

### Set up Photo Stream

Enable Photo Stream on your iOS device by tapping Settings > iCloud > Photo Stream and tapping the action slider so that it reads 'ON'. You can now step out of settings and get on with using your device as usual.

On your Mac, Photo Stream helpfully synchronises with *iPhoto 11* or *Aperture 3.2*. You can enable it through *System Preferences* by clicking in the Photo Stream check box on the iCloud pane. You now need to decide which application should act as the archive for your remotely shot images. (Apple doesn't allow you to send them simultaneously to *iPhoto* and *Aperture*.)

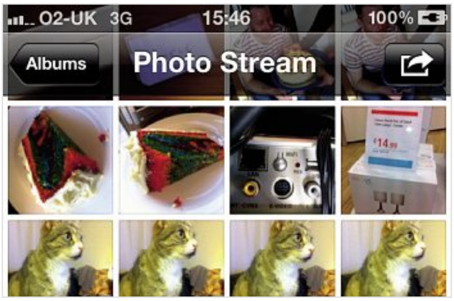


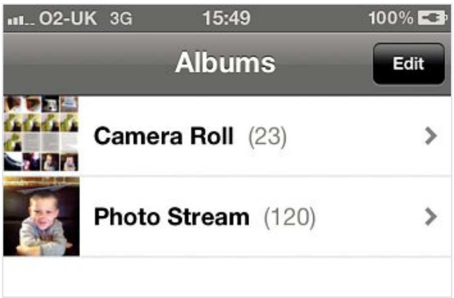
**The Photo Streams in iPhoto and Aperture back up images taken on your iOS devices.**

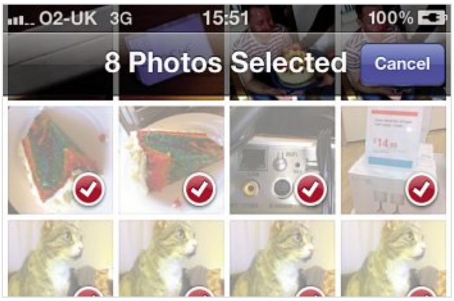
Open either application's Preferences and click the toolbar's Photo Stream icon, then tick the box to Enable Photo Stream, followed by either or both of the options to automatically import and automatically upload new photos. We would recommend at the very least enabling automatic import so that you maintain a complete archive of your iOS photos on your Mac. Unlike the photos in the Photo Streams on your iOS devices, these will never be removed from your account, even after the 30-day limit.

Do you really need to enable automatic uploads? That depends on what your plans are. Are you going to be importing several hundred holiday shots when you return from your travels? It's better to decide now whether you want them to also be sent to your iOS device. If not, uncheck that option.

## >> HOW TO / Archive synchronised photos on an iOS device







### 01 Select Photo Stream

To save synchronised images from being expired and disappearing from the Photo Stream on your iOS device, you should copy any you want to keep to your Camera Roll. Open the *Photos* app and step back to the albums page, then select Photo Stream.

### 02 Tick images

Tap the shortcut button on the toolbar (it looks like a box with an arrow curling out of it) and select the images you want to copy by tapping on each one in turn. As you do, they'll be given a small red tick to show which have been selected.

### 03 Tap to keep

Tap the save button at the foot of the screen to store them in your Camera Roll. The images will be left in place on your Photo Stream and removed when their time is up, but the versions you saved will be kept on your device until you remove them manually. ●

Photo Stream only works over Wi-Fi, so it won't hammer your 3G bandwidth and risk taking you close to your mobile contract's monthly cap. One less thing to worry about when you're on holiday!

Every time you take a photo on any iOS 5 device linked to your iCloud account, it's uploaded to Apple's servers when you quit the *Camera* app. From there it's sent back down to your other iOS devices and your Mac. The next time you fire up *iPhoto* or *Aperture* (depending on which you have linked to your iCloud account) you'll find a Photo Stream entry in the sidebar containing a copy of each of your iOS photos. Your pictures will also appear on the second-generation Apple TV running software update 4.4 or later.

## Photo Stream on iOS

Things work slightly differently on an iOS device to the way they do in *Aperture* or *iPhoto*. Images shot on any device are saved locally, as usual, to the Camera Roll in the *Photos* app. Step back one level from here on the iPhone or iPod touch, or use the buttons at the top of the screen on the iPad, and you'll see a new library called Photo Stream. This is where you'll find your synchronised images, whether they were snapped on an alternative iOS device or synchronised through *iPhoto* or *Aperture*.

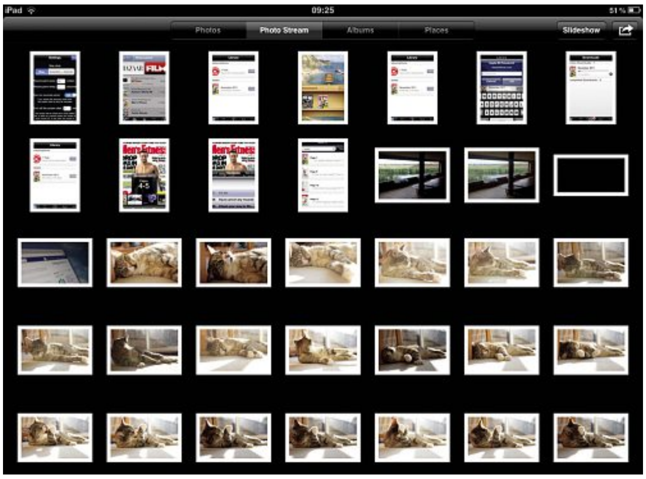
Any photo taken on an iOS device will remain on that device until you actively choose to delete it. However, items that appear only in the Photo Stream album will be removed from the device after 30 days. They will also be removed from the Photo Stream album on an iOS device one at a time if you add more than 1,000 during that 30-day period, with the oldest one in each instance being killed off to make way for each new addition. It's therefore vitally important that you take an active interest in saving (and backing up!) your synchronised pictures.

> *"Any photo taken on an iOS device will remain there until you choose to delete it"*

Fire up *iPhoto* or *Aperture* at least once a month to make sure you have a copy of your images on your Mac. And if you want to keep synchronised photos on any iOS devices other than the ones originally used to take them, copy them to your Camera Roll by following the instructions in the walkthrough on the left.

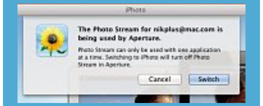
Images downloaded to your Mac are saved at their native resolution, so for anything taken using the rear camera on an iPhone 4S that means the full 8 megapixels. This matches some compact cameras on sale just a couple of years ago. However, images sent to Photo Stream on an iOS device are first reduced in size to optimise them for display on that particular device's screen. The exact resolution will depend on the dimensions of the original, but Apple currently uses 2048x1535 pixels (3 megapixels) as its benchmark.

Photo Stream is compatible with JPEG, TIF, PNG and RAW images imported from your *iPhoto* or *Aperture* library. These formats are in turn converted as part of the transfer process.



**Activate Photo Stream on a second app and you'll have to disable it on the first.**

### »QUICK TIP

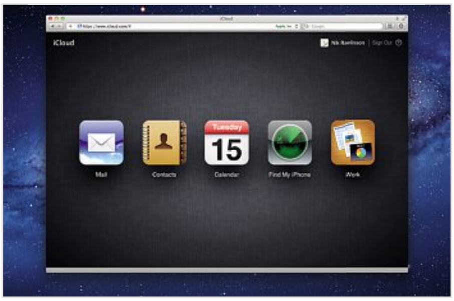


**The Photo Stream for nikplus@mac.com is being used by Aperture.**

Photo Stream can only be used with one application at a time. Switching to iPhoto will turn off Photo Stream in Aperture.

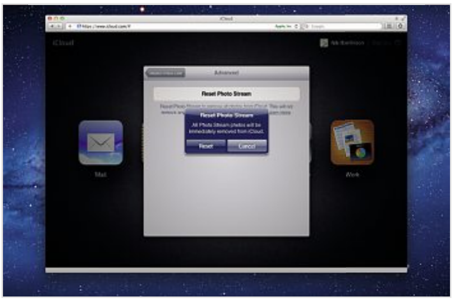
Want to switch from *iPhoto* or *Aperture* or vice versa? Not a problem. Enable Photo Stream on the second app and it's automatically disabled in the first.

## »HOW TO / Delete your Photo Stream



### 01 Log in to iCloud

Although your Photo Stream contents don't count against your iCloud storage limit, there may be times when you want to delete the contents of the stream entirely. Log in to your iCloud account at **www.icloud.com** and click the iCloud icon in the top-left corner.



### 02 Delete remote photos

Click your name at the top of the screen to open your account preferences. Click the **Advanced** button and then, click **Reset Photo Stream**. This clears out the images on Apple's servers but leaves them where they are on your Mac and iOS devices.

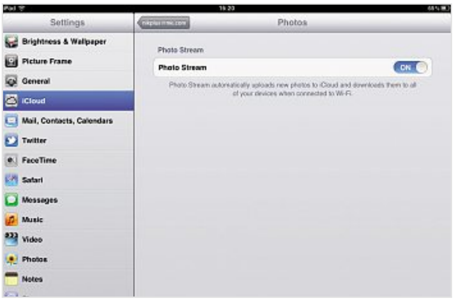


Photo Stream automatically uploads new photos to iCloud and downloads them to all of your devices when connected to Wi-Fi.

### 03 Delete local photos

To remove the images from your iOS device, open Settings > iCloud > Photo Stream and tap the activity button so that it reads 'OFF'. You'll be asked for confirmation, after which all of the synchronised photos will be removed, leaving in place only original and saved snaps. ●

»

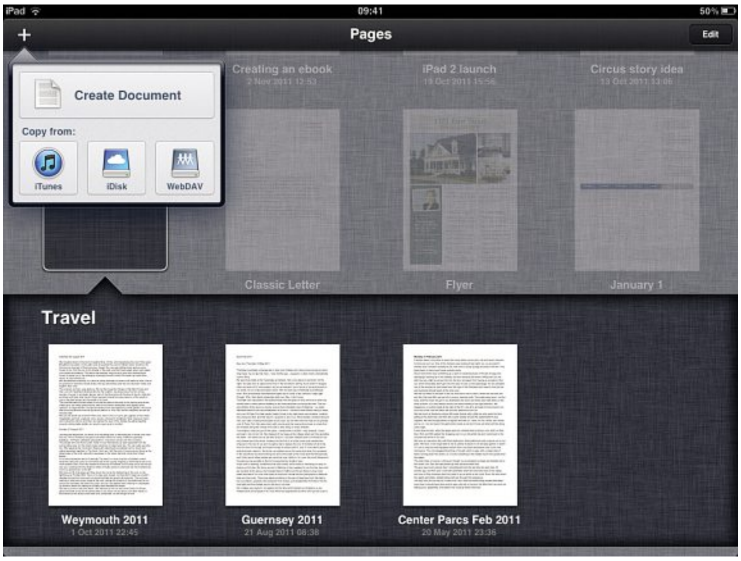
# Backups and storage

iCloud's passive backup tools are much better than iDisk ever was

## >> QUICK TIP

Trouble accessing your services? Before rebooting, check iCloud's current system status at **www.apple.com/uk/support/icloud/systemstatus**.

iCloud Support
System Status


iPad
09:41
50%
+
Pages
Edit
Create Document
Copy from:
iTunes
iDisk
WebDAV
Creating an ebook
2 Nov 2011 12:43
iPad 2 launch
19 Oct 2011 15:56
Circus story idea
13 Oct 2011 13:06
Classic Letter
Flyer
January 1
Travel
Weymouth 2011
1 Oct 2011 22:45
Guernsey 2011
21 Aug 2011 08:38
Center Parcs Feb 2011
20 May 2011 23:36

**Switch your backups to iCloud if you want to keep a copy of your mobile data off-site.**

As we've already discussed, iCloud takes care of backing up all of your iOS purchases on your Mac, and simultaneously installs any apps you buy on your Mac to each of your iOS devices. However, you can now go one step further and save your device backups directly to the cloud.

Previously, every time you synchronised your iPhone, iPad or iPod touch with *iTunes* on your Mac it would create a local backup. That way, should the worst happen, you could easily recover your documents, contacts, appointments and apps.

That's still an option, but in iOS 5 and *iTunes 5* Apple has improved on this feature in two ways. First, you can now enable wireless backups to *iTunes* so that whenever your device is plugged into a power source and connected to the same Wi-Fi network as your *iTunes* library, it will automatically synchronise the two.

You can opt instead to save that backup to iCloud, so that should your Mac be damaged or lost your backup won't be lost with it. To enable this, connect your iOS device to your Mac, select its entry in the *iTunes* sidebar, and click the **Back up to iCloud** radio button on the **Summary** page.

Now your device will be backed up once a day whenever it's plugged in.

The final piece of the iCloud puzzle (at least until iTunes Match arrives in the UK) is **Documents in the Cloud**, which maintains a backed-up copy of all of your remotely edited *Pages*, *Numbers* and *Keynote* documents. Synchronisation with iCloud requires

## >> HOW TO / Make the most of iCloud's other features

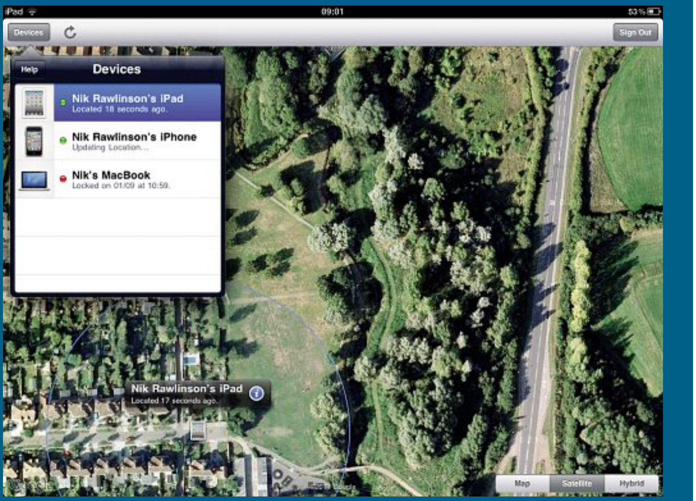
As well as the features we have explored here, iCloud can back up your bookmarks and *Safari* Reading List, find a lost Mac, iPhone, iPad or iPod touch and sync your reminders across each of your iOS devices.

Many of these features can be activated through the iCloud pane in *System Preferences*. But by far the most extensive range of settings are found through iOS itself, where Settings > iCloud gives you access to *Reminders* and *Notes*. *Reminders* doesn't appear on the OS X iCloud preference pane, while *Notes* is bundled together with *Mail*.

Once you've activated **Find my Mac** or **Find my iPhone**, you can track your device's position online at **www.icloud.com/find** where all of your registered iOS and OS X devices will be plotted on a map.

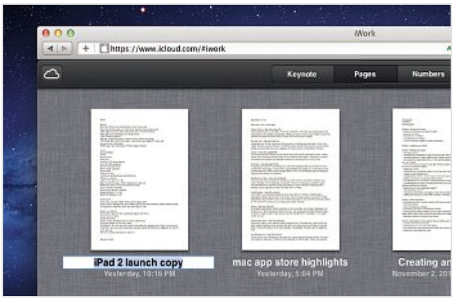
Doing this relies on the device you want to find having an active network connection over either Wi-Fi or 3G. You might therefore find that a lost device doesn't immediately appear, as it may not be online. In that case, use the option to have iCloud email you when it next sees your device connect to the net.

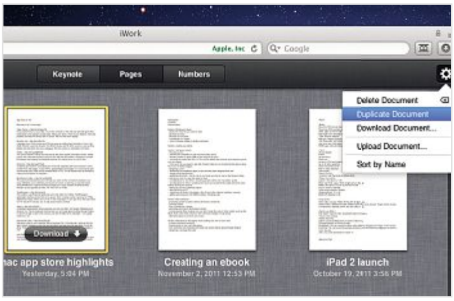
Alternatively, download *Find my iPhone* from **http://bit.ly/urUiQ1** to search for your devices from your iPhone, iPad or iPod touch.

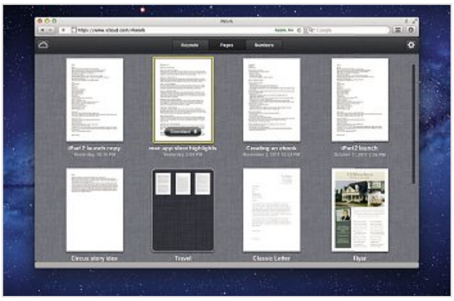

iPad
09:01
53%
Devices
Sign Out
Help
Devices
Nik Rawlinson's iPad
Located 18 seconds ago.
Nik Rawlinson's iPhone
Updating Location...
Nik's MacBook
Locked on 01/09 at 10:59.
Nik Rawlinson's iPad
Located 17 seconds ago.
Map
Satellite
Hybrid

**Use the Find my iPhone app to locate a device registered to your iCloud account.**

## » HOW TO / Manage iCloud files in your browser


iWork
https://www.icloud.com/#iwork
Keynote
Pages
Numbers
iPad 2 launch copy
Yesterday, 10:16 PM
mac app store highlights
Yesterday, 5:04 PM
Creating an


iWork
Keynote
Pages
Numbers
Delete Document
Duplicate Document
Download Document...
Upload Document...
Sort by Name
Download
mac app store highlights
Yesterday, 5:04 PM
Creating an ebook
November 2, 2011 12:53 PM
iPad 2 launch
October 19, 2011 3:56 PM


Keynote
Pages
Numbers

### 01 Rename files

Click once on the document's filename and type a new name, pressing return as you would in the *Finder* to confirm the change. Filenames can be up to 255 characters in length and contain anything you like – so long as they don't start with a colon, dot or slash.

### 02 Copy a document

Click once on the document's thumbnail icon, followed by the cog icon, and then select Duplicate Document from the drop-down menu. The next time you check your iOS devices you will see that the file has been duplicated and is ready to work on.

### 03 Keyboard navigation

Now press ctrl + esc to activate the keyboard, then use the cursor keys to move around your files in the browser view. Pressing ⇧ + esc has the same effect as clicking the iCloud icon – you will be taken back to the applications menu. ●

the latest versions of the iOS *iWork* apps. These updates are free for all existing users, but if you don't already have them, the apps are sold individually at £6.99 apiece through the App Store They're all Universal apps, so work on the iPad, iPhone and iPod touch.

You need to opt in to use iCloud with each application individually. If you're firing up any one of them for the first time you'll be given the option to do this on the startup screens. But if you've already been using them in the past, you can activate them through the iOS *Settings* application where they appear among the third-party apps at the bottom of the menu.

## Working with documents

Open the *iWork* app of your choice and create a new document by tapping the '+' in the upper left corner of the screen. We'd recommend ignoring the option to use iDisk as this will disappear over time, so it makes sense to get out of the habit as soon as you can. Tap Create Document and choose a document type in the usual way, then start working. When you've finished, and you return to the document menu, you'll notice that its thumbnail has a small arrow on a turned-over corner. This is a warning that the document hasn't yet been backed up to iCloud.

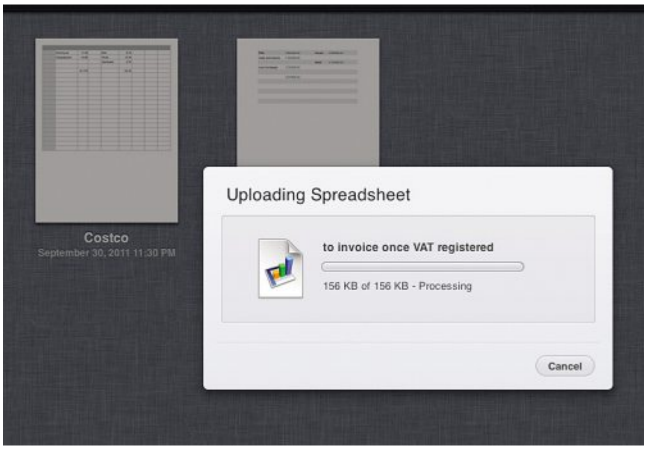
Your documents will automatically sync to the same apps on any other iOS device the next time you start them up, and are also saved to your online iCloud account. Point your browser at www.icloud.com/iwork, and you'll see that there are individual tabs for *Keynote*, *Pages* and *Numbers*, with the relevant documents organised inside each one.

Here, things don't work quite as smoothly as you might hope…

Apple has made great claims about iCloud's ability to synchronise your documents across all devices. It says you can shut down your Mac on your way out the door and finish working on your document, spreadsheet or presentation on your iPad on the way home. Technically that's true, but only if when using OS X you manually copy your data to and from iCloud.

> *"Apple makes great claims about iCloud's ability to sync docs across all devices"*

To access the document created on your iOS device, click it in the web interface and select the format in which you'd like to download it. Choose from the native *iWork* formats, their *Microsoft Office* equivalents and PDF.


Costco
September 30, 2011 11:30 PM
Cancel

Uploading Spreadsheet

to invoice once VAT registered

156 KB of 156 KB - Processing

**To sync OS X documents to iOS via iCloud, you have to manually upload them.**

To send documents from your Mac to your iOS device, select the relevant application by clicking its name on the tabs at the top of the web interface; then drag the file into the document management area that fills the rest of the screen. A progress gauge monitors its passage onto iCloud.

We can expect to see more apps exploit Documents in the Cloud, as Apple has opened up the underlying hooks that will enable third-party coders to integrate the service into their own apps. But we would also hope to see iCloud integrated directly into the OS X *iWork* apps so that we no longer need to open a browser window to access our iOS documents. ●

### » QUICK TIP

To switch the *iWork* web view from date order to alphabetical order, click the cog at **www.icloud.com/iwork** and select **Sort by Name**.

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> *"When you're new to a Mac, even simple things take more effort than expected"*

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Wed 08:40
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Personal
General
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Security & Privacy
Spotlight
Universal Access
Hardware
CDs & DVDs
Displays
Energy Saver
Keyboard
Mouse
Trackpad
Print & Scan
Sound
Internet & Wireless
iCloud
Mail, Contacts & Calendars
MobileMe
Network
Bluetooth
Sharing
System
Users & Groups
Parental Controls
Date & Time
Software Update
Speech
Time Machine
Startup Disk
Other
Blackmagic Design
Downloads
install_fl...osx.dmg
ipad_user_guide.pdf
iphone_u...uide.pdf
John Carter.mov
Separation.mov
Open in Finder

# How to...

## ● PHOTOS ● MOVIES ● MUSIC ● OFFICE ● SYSTEM

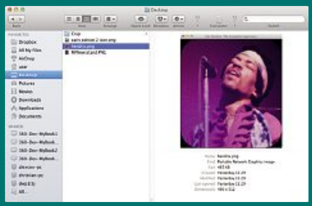
Matthew Bolton
**Tutorial Editor**

There's always so much you can do with Apple software that it's hard to know where to begin. Similarly, it's just as hard deciding what to leave out of the How To section each month than it is deciding what to put in it!

This month I've gone for tutorials on all your Apple favourites, showing you how to use an external editor in *iPhoto*, how to use the timeline effectively in *iMovie* and how to create your own templates in *Pages*. Third-party apps are well supported too: check out how to create web graphics using *Hype*, enhance your *Finder* using *Default Folder X*, and increase your browsing options with *Firefox 8*.

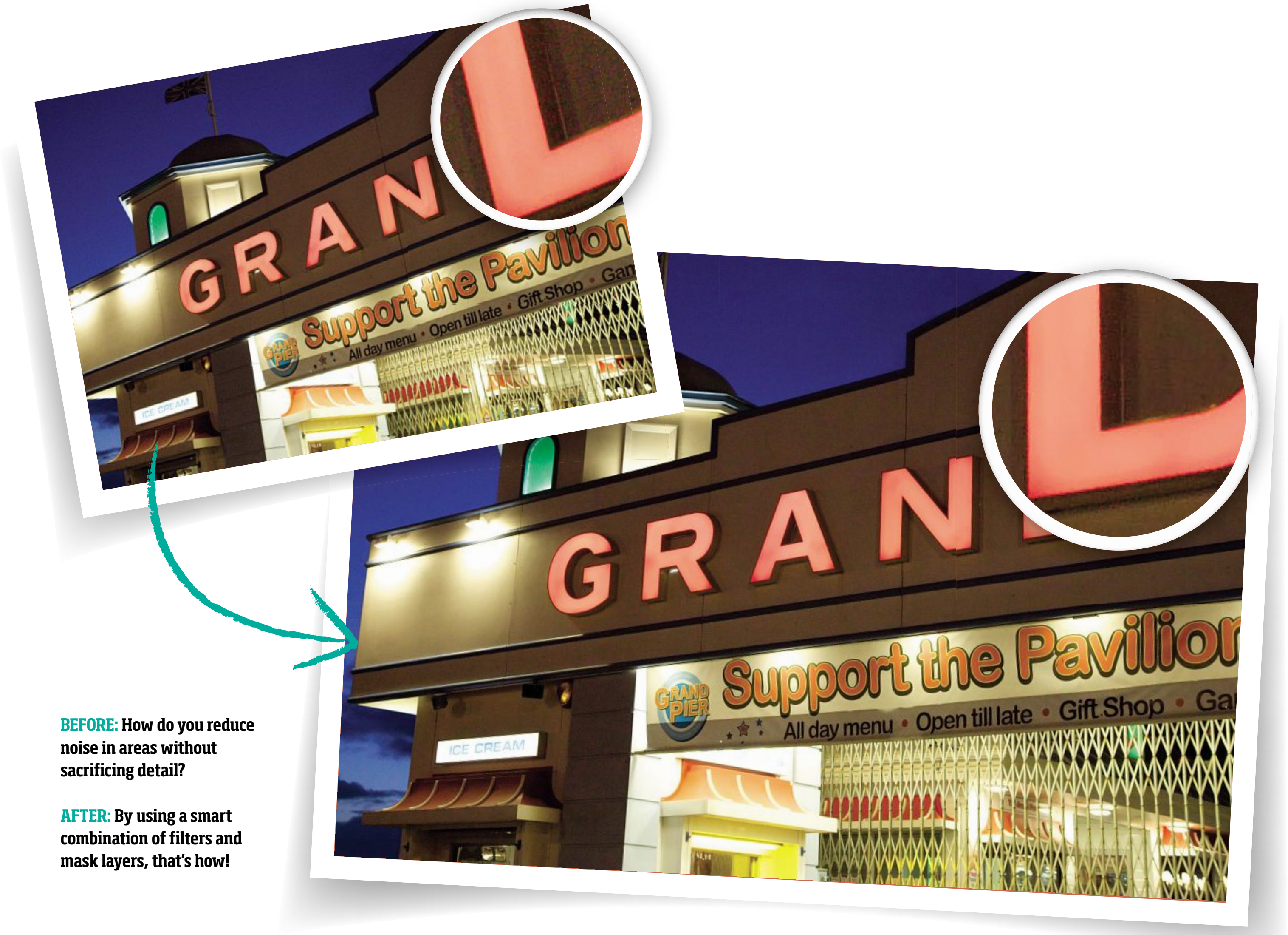
I've also written a tutorial this month showing you how to get started with *Apple Mail* in OS X 10.7. The Lion version of *Mail* brought quite a few changes to the way it works; whether you're new to the Mac or not, you'll find out a few things you didn't know, I'm sure.

I'm already planning what we're going to feature next month, but don't forget that we're always open to suggestions. Just drop us a line at **macformat@futurenet.com** with your ideas.



### >> DID YOU KNOW?

Your Mac can remember the width of columns when you set them in *Finder*. Simply hold down the ⌥ key as you drag them to your desired width. That's it - done!



**BEFORE:** How do you reduce noise in areas without sacrificing detail?

**AFTER:** By using a smart combination of filters and mask layers, that's how!

# Get smarter noise reduction

## How do you reduce noise and preserve edge details at the same time?

### »KEY INFO

**DIFFICULTY**
Advanced

**TIME NEEDED**
10 minutes

**WHAT YOU'LL NEED**
Adobe Elements or Photoshop

*Elements* and *Photoshop* have a **Reduce Noise** filter that looks like it offers all you need to reduce the noise in high ISO images without sacrificing too much fine detail. In practice, though, it's not so easy, despite the sophisticated controls.

You can push the **Reduce Color Noise** slider right up to 100% without sacrificing sharpness but while this can help, it's only with older cameras that it makes much difference – newer models do a pretty good job of suppressing colour noise right from the start.

The real problem is luminance noise, and this is what the **Strength** slider fixes. Unfortunately, as soon as you start to drag it to the right, you'll start to see a trade-off in fine detail. And long before all the noise has disappeared, the loss in definition is becoming unacceptable.

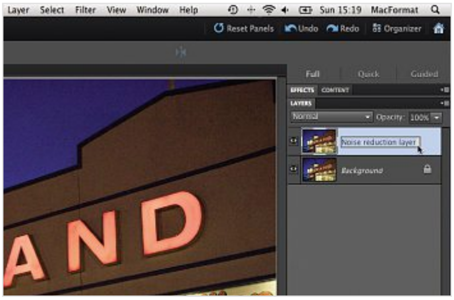
The **Preserve Details** slider (and the extra **Sharpen Details** slider in *Photoshop*) are designed to counteract this, but they also make the noise more prominent at the same time. What you really need is a process that reduces noise in areas where there is no real detail, but leaves highly detailed areas alone. That's what sophisticated noise reduction tools attempt to do, but without much success. The fact is that you can do a much better job yourself, and while the steps in our walkthrough might look complicated, it's basically a two-step process.

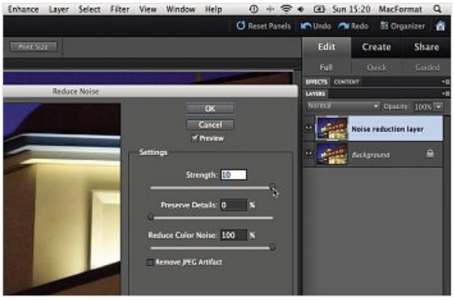
> *"This process reduces noise in areas where there is no real detail, but leaves high-detail areas well alone"*

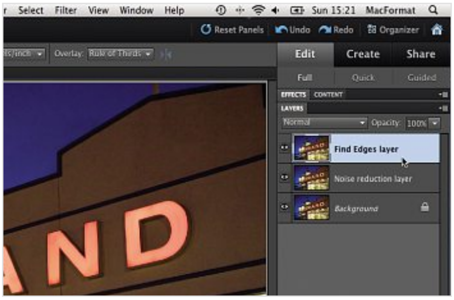
First, you apply the **Noise Reduction** filter to a duplicate layer to bring the noise down. Second, you use the **Find Edges** filter to pick out the details in the picture, and then use this to create a mask for this, the **Noise Reduction** layer. Apart from a couple of tweaks to improve the effectiveness, that's all there is to it. Your images look smoother, but just as sharp as they did before.

**Rod Lawton**

# HOW TO / Smooth noise but preserve detail


Reset Panels
Undo
Redo
Organizer
Full
Quick
Guided
EFFECTS
CONTENT
LAYERS
Normal
Opacity: 100%
Noise reduction layer
Background


Reduce Noise
OK
Cancel
Preview
Settings
Strength: 10
Preserve Details: 0 %
Reduce Color Noise: 100 %
Remove JPEG Artifact
Edit
Create
Share
Noise reduction layer
Background


Edit
Create
Share
Full
Quick
Guided
Find Edges layer
Noise reduction layer
Background

## 01 Duplicate the layer

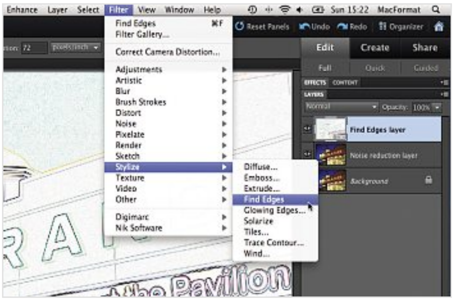
This technique relies on a layer mask, so don't apply noise reduction to the image layer directly. Instead, duplicate the layer by dragging its thumbnail onto the **New layer** button at the bottom of the **Layers** palette. It's a good idea to name your layers as you go along.

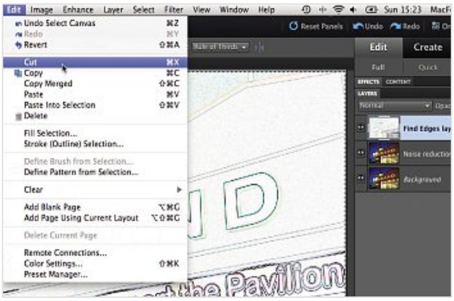
## 02 Reduce Noise filter

Now apply the **Reduce Noise** filter to this duplicate layer. Push the **Reduce Color Noise** slider right up to maximum, but leave the **Preserve Details** slider at 0%. Now push the **Strength** slider as far as you need to in order to get rid of the noise in the image.

## 03 Duplicate this layer too

Now you need to create a mask to protect the edges in the picture, so duplicate this new layer, and call it 'Find Edges layer' to distinguish it from the others. The fact that noise reduction's already been applied will improve the results in the next step.


Find Edges
Filter Gallery…
Correct Camera Distortion…
Adjustments
Artistic
Blur
Brush Strokes
Distort
Noise
Pixelate
Render
Sketch
Stylize
Texture
Video
Other
Digimarc
Nik Software
Diffuse…
Emboss…
Extrude…
Find Edges
Glowing Edges…
Solarize
Tiles…
Trace Contour…
Wind…
Find Edges layer
Noise reduction layer
Background

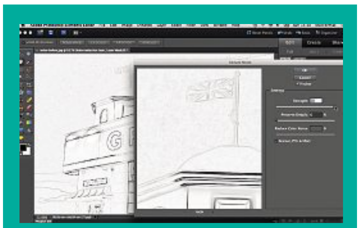

Undo Select Canvas
Redo
Revert
Cut
Copy
Copy Merged
Paste
Paste Into Selection
Delete
Fill Selection…
Stroke (Outline) Selection…
Define Brush from Selection…
Define Pattern from Selection…
Clear
Add Blank Page
Add Page Using Current Layout
Delete Current Page
Remote Connections…
Color Settings…
Preset Manager…

## 04 Find Edges filter

Now apply Filter > Stylize > Find Edges. This picks out strong edges in the image but leaves even-toned areas alone. It will also pick up some 'edges' in noisy areas of the image, but that's not too big a problem and it's possible to filter this out to a degree later on.

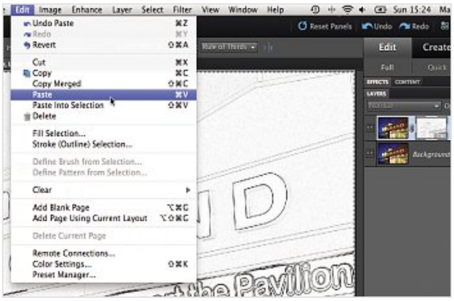
## 05 Select and cut layer

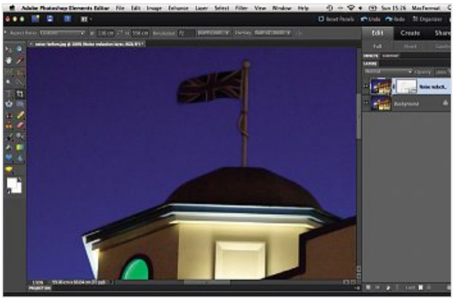
Select the whole of this layer using the ⌘+A shortcut. You'll see the layer enclosed by a 'marching ant' selection. Now use the Edit > Cut command (or ⌘+X). The image disappears, leaving an empty layer. You don't need this layer any more, so you can delete it.

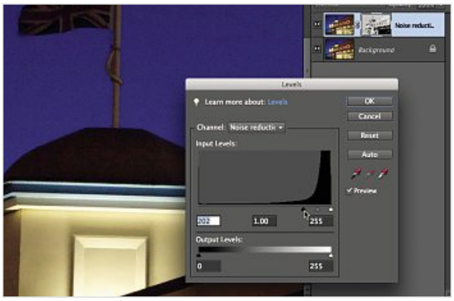


## QUICK TIP

This process can slightly increase noise even in smooth-toned areas, but there's a solution – simply apply the **Reduce Noise** filter to the layer mask you've created. It won't have much effect on the masked areas, but it should help clear up any noise showing through where the mask itself is a little noisy.


Undo Paste
Redo
Revert
Cut
Copy
Copy Merged
Paste
Paste Into Selection
Delete
Fill Selection…
Stroke (Outline) Selection…
Clear
Add Blank Page
Add Page Using Current Layout
Delete Current Page
Remote Connections…
Color Settings…
Preset Manager…




Levels
Learn more about: Levels
OK
Cancel
Reset
Auto
Preview
Channel: Noise reducti…
Input Levels:
202
1.00
255
Output Levels:
0
255

## 06 Create a layer mask

Select the 'Noise reduction' layer created earlier, and click the **Add layer mask** button at the bottom of the **Layers** palette. ⌥-click the mask to select it. It will appear white, but use the Edit > Paste command, and the copied 'Find Edges' layer will be pasted in.

## 07 Check the result

Click back on the noise reduction layer: the layer mask is no longer being viewed directly, and you can see its effect. It's now masking the edges in the image so that only the even-toned areas are showing the noise-reduction effect. Now to strengthen it a little…

## 08 Adjust the mask

Select the layer mask (you don't need to ⌥-click it this time, since you only want to see the mask's effect). Adjust the **Levels**, dragging the black point slider to the right, just past the start of the histogram – this increases the contrast and maximises edge-protection. ●

# Use iPhoto with an editor

## Combine the organisation of iPhoto with the power of Photoshop

### KEY INFO

**DIFFICULTY**
Advanced

**TIME NEEDED**
10 minutes

**WHAT YOU'LL NEED**
iPhoto '11 (£10.49 on the Mac App Store), OS X 10.6.8 or later

No one denies that *iPhoto* is an excellent tool for organising your photos. But while its built-in editing tools are fine for everyday enhancements and basic image effects, there are lots of things you might want to do with your pictures that demand a program such as *Elements* or *Photoshop*.

That's why *iPhoto* has always offered the ability to use an external editor instead. The idea is that once you've chosen your external image-editor in the *iPhoto* **Preferences**, *iPhoto* launches this automatically. And when you save the result, it's sent back to *iPhoto*.

This works well if you work with JPEG files and simple enhancements, but the minute you start working with layers and RAW files it gets more complicated. Suddenly, you're prompted to save new images that don't get re-imported back into *iPhoto*, so you have to import them manually and it all gets a bit messy.

So what is *iPhoto* doing, and why is it not always as easy as you'd expect to get your edited file to reappear in *iPhoto*?

The crucial thing to realise is that while *iPhoto* does support 'round-tripping', it only works where the edited file is saved in the same format as it was in *iPhoto*. Except in very specific circumstances (more on this shortly), *iPhoto* will always send a JPEG to your external editor, and it will always expect to get a JPEG back. So if you do anything in *Photoshop* that involves layers, you must flatten the image before you attempt to save it again. If you don't, *Photoshop* will prompt you to save a new file in a different format, which you will have to import manually into *iPhoto*.

> *"There are lots of things you might want to do with your snaps that demand an app such as Photoshop"*

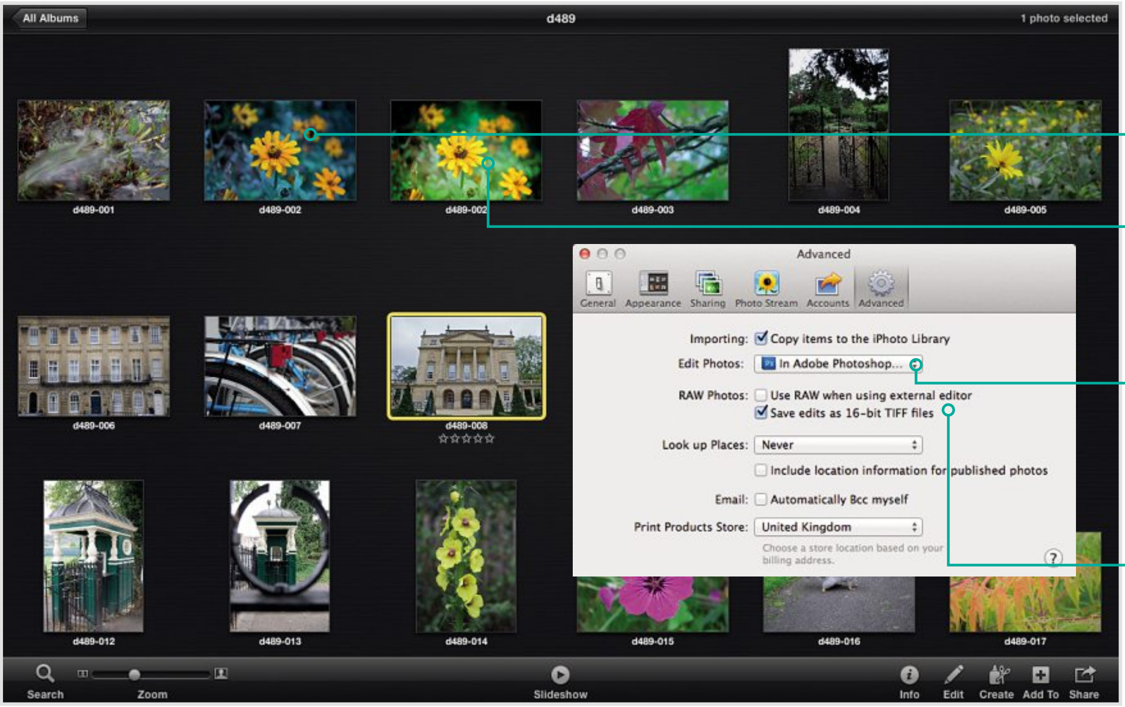
Things become more complicated with RAW files. Here, *iPhoto* will carry out its own internal RAW conversion and then send your external editor a JPEG. There's actually nothing wrong with *iPhoto's* RAW conversions (see the Quick Tip). But if you do want to use *Photoshop* to do the RAW conversion, you must choose this option in the **Preferences** and accept the fact that you're going to have to import the converted file manually.

The other **Preferences** option to create 16-bit TIFF files on editing RAW files, is useful, but adds another complication. If you don't edit the RAW file in *iPhoto*, it will still send your external editor a JPEG version. But if you do edit the RAW file in *iPhoto*, that's when it will send your editor a 16-bit TIFF.

Once you realise what *iPhoto* is doing, the rest starts to make sense!

**Rod Lawton**

## QUICK LOOK / iPhoto's editing preferences



Importing: ☑ Copy items to the iPhoto Library
Edit Photos: In Adobe Photoshop...
RAW Photos: ☐ Use RAW when using external editor
☑ Save edits as 16-bit TIFF files
Look up Places: Never
☐ Include location information for published photos
Email: ☐ Automatically Bcc myself
Print Products Store: United Kingdom
Choose a store location based on your billing address.

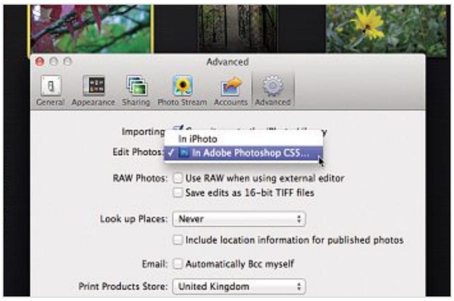
**Internal editing**
Use *iPhoto's* editing tools and the edited version of your photo replaces the original.

**External editing**
Only *iPhoto '11* creates a copy of externally edited snaps.

**External editor**
Choose the app you want to use with this drop-down menu.

**RAW options**
Send RAW files directly to your external editor (there is a drawback).

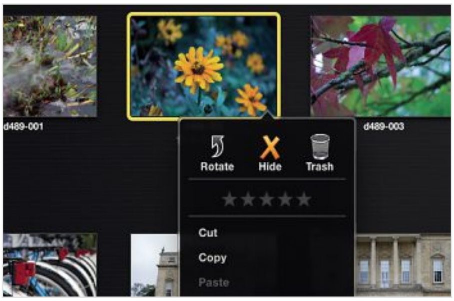
## HOW TO / Use an external editor with iPhoto


Advanced

Edit Photos: In iPhoto / ✓ In Adobe Photoshop CS5...
RAW Photos: ☐ Use RAW when using external editor
☐ Save edits as 16-bit TIFF files
Look up Places: Never
☐ Include location information for published photos
Email: ☐ Automatically Bcc myself
Print Products Store: United Kingdom

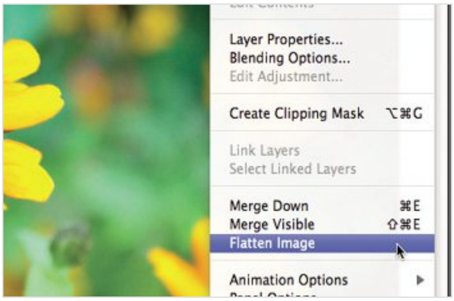
### 01 Choose your editor

To choose an external editor, open the *iPhoto* **Preferences** dialog, select the **Advanced** tab and open the **Edit Photos** menu. You'll be prompted to choose an app. After that, the app will be displayed here, though you can select it from the menu again to choose a different one.



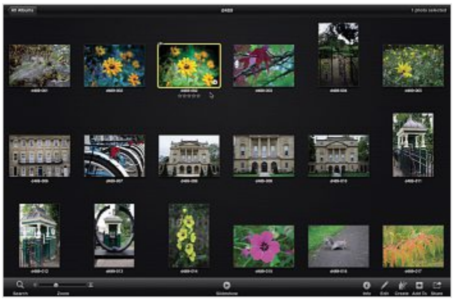
### 02 Editing photos

You can choose either *iPhoto* or your external editor from this menu to control which is used when you edit your photos. It doesn't matter which way round you do it: you can now choose either one from the drop-down menu, bottom-right of the image thumbnails in *iPhoto*.



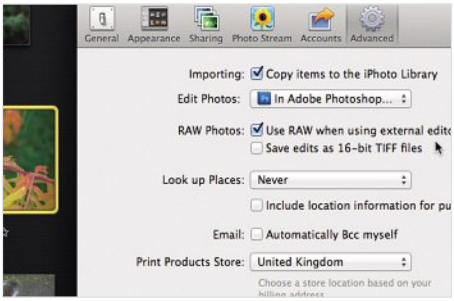
### 03 Flattening layers

Your photos can now be opened in your external editor. If you use layers in *Photoshop* or *Elements*, you must flatten the image again before you save it. If you don't, *Photoshop* will save it as a PSD or TIFF file, which means it won't automatically be re-imported into *iPhoto*.



### 04 Edited images

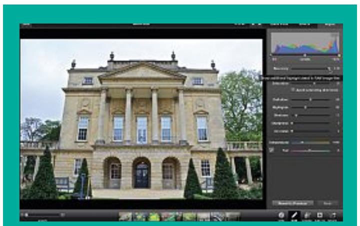
In earlier versions of *iPhoto*, externally edited images replace the originals (though the originals are kept – you can still revert). *iPhoto '11* creates a copy of the original, and it's the copy that's edited, so when the file is saved you'll see the new version alongside the original.



Importing: ☑ Copy items to the iPhoto Library
Edit Photos: In Adobe Photoshop...
RAW Photos: ☑ Use RAW when using external edit
☐ Save edits as 16-bit TIFF files
Look up Places: Never
☐ Include location information for pu
Email: ☐ Automatically Bcc myself
Print Products Store: United Kingdom
Choose a store location based on your billing address

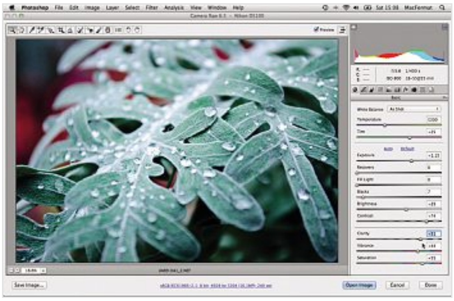
### 05 RAW processing

By default, *iPhoto* carries out RAW conversions. If you edit a RAW file with an external editor, the conversion is carried out before the file's exported. To have *Photoshop* or *Elements* convert it, check **Use RAW when using external editor** in *iPhoto's* **Preferences**.



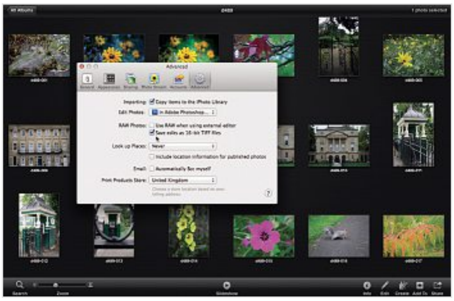
### QUICK TIP

Don't immediately assume *iPhoto's* RAW conversions are inferior to *Adobe Camera Raw's*. The tools are limited, but they are very effective. For example, if you ⌥-drag the **Exposure** slider, you get a highlight recovery tool that's more subtle and more effective than *ACR's*.



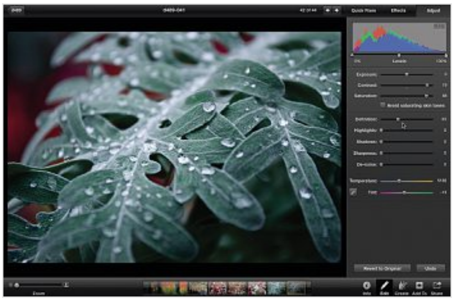
### 06 RAW options

You can now use *Adobe Camera Raw* to carry out the conversion – it has a wider choice of adjustments. The downside is that the file you create can't be saved back as a RAW file – it has to be a JPEG, TIFF or PSD file, say. So it won't appear in *iPhoto* unless you import it manually.



### 07 Editing in iPhoto

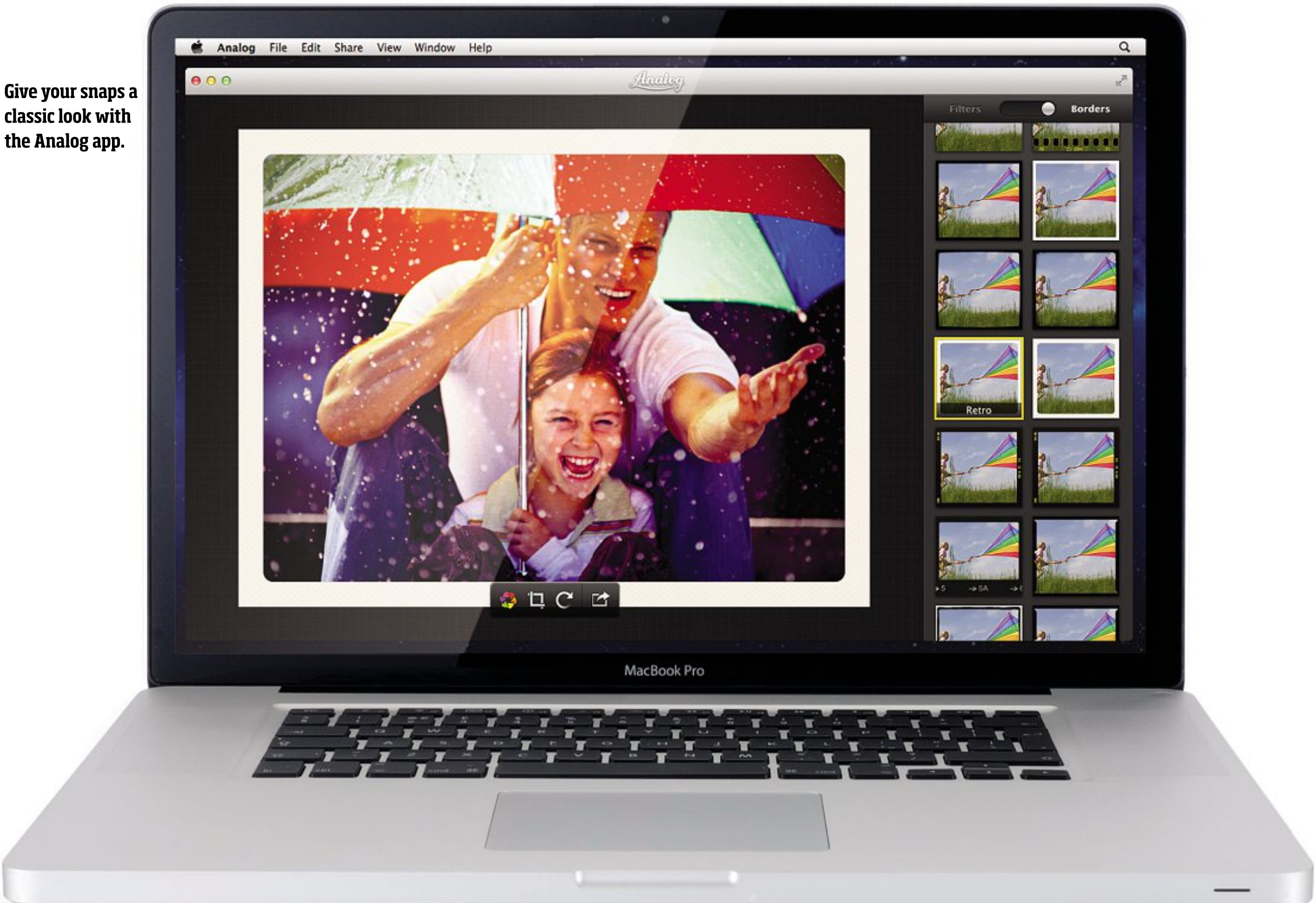
A better option for RAW fans might be to check **Save Edits as 16-bit TIFF files** instead. This means that when you edit a RAW conversion, *iPhoto* will save it as a high-quality 16-bit TIFF file. But while these are fine for *Photoshop*, they're no good for *Elements*.



### 08 16-bit TIFFs

If you don't edit RAW files in *iPhoto*, it will still send a JPEG to your external editor, even when you've checked the 16-bit box. You'll only get a 16-bit file if you carry out some editing, however minor, in *iPhoto* first. It's an odd and annoying quirk you have to allow for. ●

Give your snaps a classic look with the Analog app.



# Get retro with photos

## Use Analog to apply gorgeous old-style effects and borders to images

**>> KEY INFO**

**DIFFICULTY**
Beginner

**TIME NEEDED**
10 minutes

**WHAT YOU'LL NEED**
A photo, OS X 10.6.8 or later, Analog (available for £14 on the Mac App Store)

There's a lot to be said for the relentless progress of digital photography. These days, you can pick up a camera and memory card for a fairly small outlay that will store hundreds of pin-sharp high-quality shots. And recent iPhones are also capable of taking detailed, impressive photos.

But if you've been experimenting with photography since before the dawn of digital (or merely have a penchant for what's now termed 'retro'), you may feel the soul has gone from snaps. Old-style kit used to provide a warmth and character that's missing in comparatively dry modern technology.

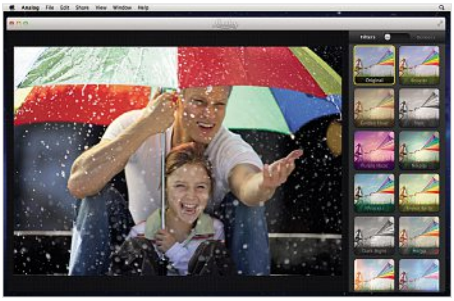
This is perhaps why the App Store is awash with apps that enable you to bring old-school charm to modern photos. Services such as Instagram and apps like *Hipstamatic* can apply filters to an iPhone photo, producing a result reminiscent of a shot from decades ago. *Analog* does roughly the same for photos on your Mac. Its interface is among the best we've seen for this kind of app, in terms of usability, efficiency and elegance.

*Analog* provides you with 20 filters and 14 borders that can be applied to your photos, and you can also crop and rotate your image before exporting it to your Mac or sharing it online. But Realmac's also taken things a little further than most of its contemporaries. First, editing is non-destructive, enabling you at any point to rework your edits; secondly, some of the filters and borders aren't pre-defined, but are instead algorithms that ape the randomness of old. We were positively giddy on clicking relevant filters and seeing the effect change a little each time we did so.

> *"Analog provides you with 20 filters and 14 borders that can be applied to your photos before sharing online"*

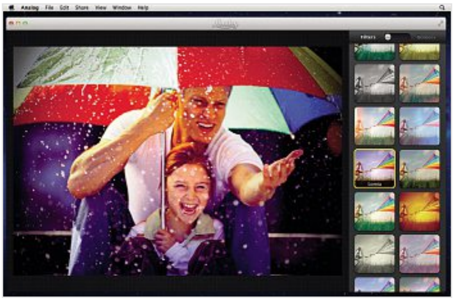
Find out more about *Analog* in our walkthrough and at http://bit.ly/q8EIBB. The app is available from the Mac App Store, priced £14.
**Craig Grannell**

## HOW TO / Bring retro effects to a digital photo



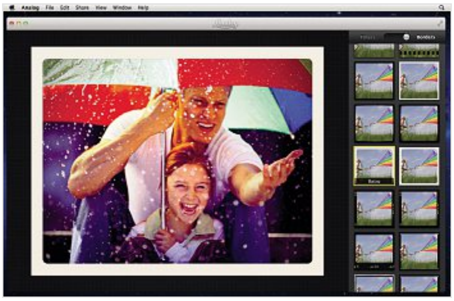
### 01 Load an image

Get started with *Analog* by dragging an image to the main workspace, either from *Finder* or directly from *iPhoto*. You can also use ⌘+O and locate an image using an **Open** dialog. If you change your mind about your selection, hit ⌘+⌫ or use File > Clear Canvas.



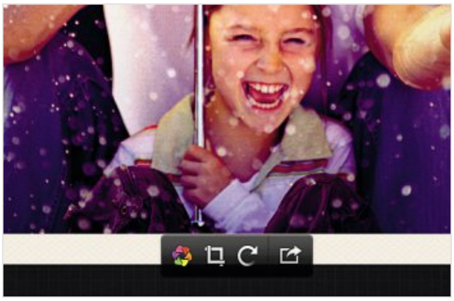
### 02 Choose a filter

Select **Filters** by dragging the slider in the sidebar to the left (or using ⌘+1). To choose a filter, click it or navigate to it by using the keyboard cursor keys. Note that **Imagine**, **Hegfa**, **Kyoto** and **Helsinki** will change slightly with each app (through a click or re-selection).



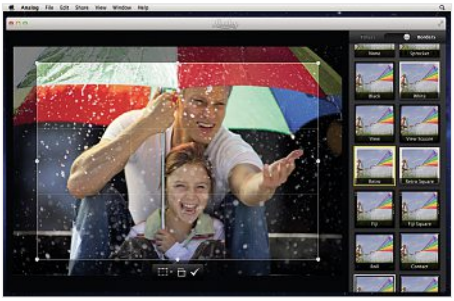
### 03 Pick a border

Along with a filter (we've gone for **Lomia**), you can also define a border. Click the sidebar slider or use ⌘+2 to see the selection, and pick one in the same way as choosing a filter. Again, some are slightly randomised during each selection.



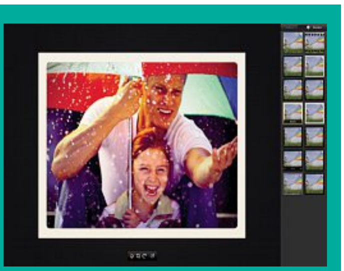
### 04 Access the toolbar

Hover over your image and you'll see *Analog*'s toolbar, which has four buttons. The first is for toggling effects (see step 7), and the others are **Crop** (steps 5 and 6), **Rotate** (click to rotate an image 90 degrees clockwise; ⌥-click for anticlockwise), and **Share** (see step 8).



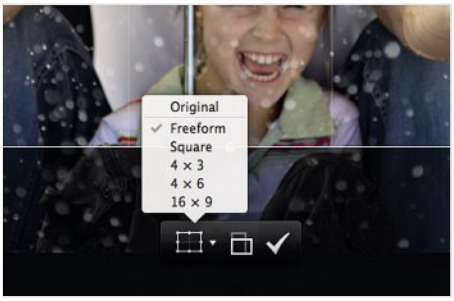
### 05 Crop your image

Click the **Crop** button. Effects will temporarily vanish and you'll see a rectangular box with drag handles. Resize it using the handles, and hold ⇧ to retain the box's ratio, and/or ⌥ to resize from the centre rather than a single corner or edge. Click the tick to confirm.



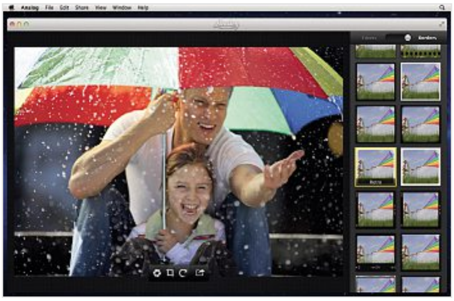
### QUICK TIP

As with many modern OS X Lion apps, *Analog* has a full-screen mode. Click the full-screen button at the top-right of the window or use the keyboard shortcut ctrl+⌘+F to work with the app in a distraction-free environment.



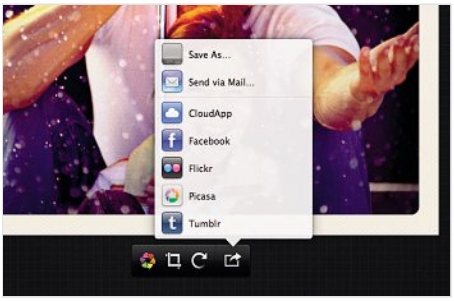
### 06 Amend your crop

Click the **Crop** button again. You'll see the original image and your crop, which can be edited. Click the pop-up on the left to access pre-defined settings: **Original** removes the crop; the other values provide popular ratios. You can use the middle icon to rotate it 90 degrees.



### 07 Toggle your effects

When using filters and borders, it's useful to be able to do a before/after comparison. You can do that by clicking the leftmost icon in the toolbar, pressing M or going to View > Toggle Processing. Do the same again to bring the effects back.



### 08 Share your image

Once satisfied, use File > Save As or the toolbar's **Share** menu to save your image or send it to an online service (you'll need to sign in). Note: exports of high-res photos are large files, but you can always resize them in *Preview* (Tools > Adjust Size), or when emailing in *Mail*. ●

# Use the timeline effectively

Knowing how to use the timeline view in iMovie will enhance your projects

## >> KEY INFO

**DIFFICULTY**
Beginner

**TIME NEEDED**
20 minutes

**WHAT YOU'LL NEED**
iMovie '11 version 9.0.4 or better, a project in progress, a basic knowledge of the interface

The reason *iMovie* caused a furore back in 2007 (which in computing times is considered ancient history), was because it dared to challenge the basic concept of editing video. Prior to this metamorphosis, every video editing application looked pretty much the same: a section, usually at the bottom, showing all your chosen clips added together in a sequence, the first one appearing on the left, and all the others added to its right.

This section is known as the timeline and it stretched to the right for ever – or at least until you ran out of clips you wanted to use.

Apple's engineers considered that this method confused novice users as they had to keep scrolling left and right to see all their clips. Instead, they decided on another approach: why not edit like you write? This way, the first clip would appear top-left of the section, then the others would be placed to its right, until they reached the edge and then they would move down a line. This allowed novice editors to see more of their project in one go and they'd have to scroll up or down to see more of their work – something they do all the time in web browsers or word processing documents.

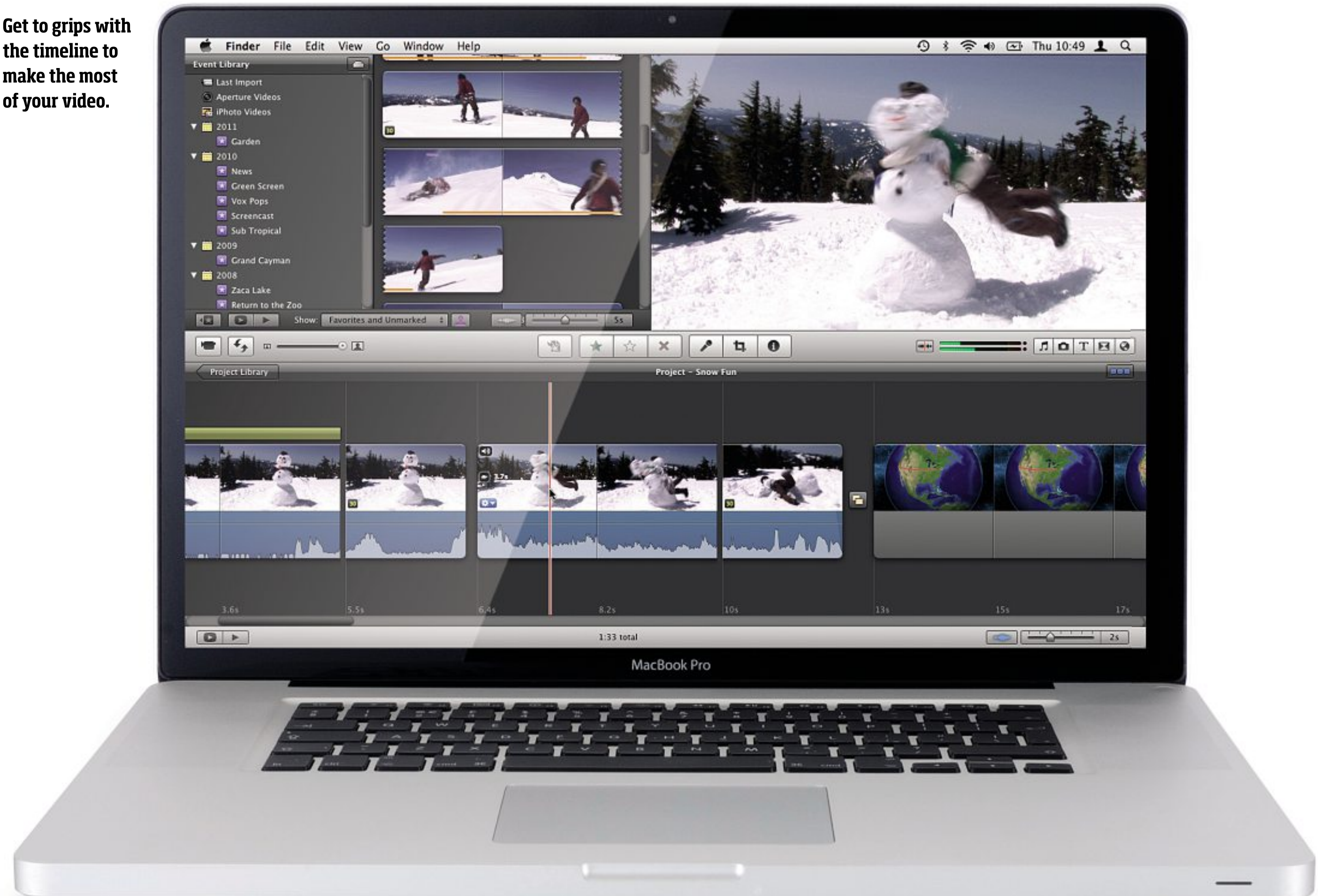
> *"iMovie caused a furore back in 2007 because it dared to challenge the concept of editing video"*

It's a good idea, but four years on, there are still some people who aren't happy with the change. Considering the fact that *Final Cut Pro X* borrowed heavily from *iMovie*'s interface yet sports the usual timeline concept, it shouldn't surprise many that the release of *iMovie '11* brought about the possibility of bringing back the 'classic' video editing workflow.

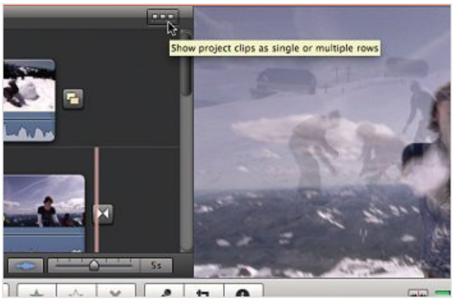
*iMovie* has in fact turned into a very flexible editing environment and we'll show you how to customise its interface with a few clicks so you can completely transform the way you see your project.

**Steve Paris**

**Get to grips with the timeline to make the most of your video.**

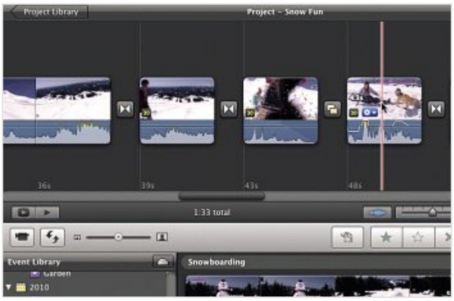

Finder File Edit View Go Window Help
Thu 10:49
Event Library
Last Import
Aperture Videos
iPhoto Videos
2011
Garden
2010
News
Green Screen
Vox Pops
Screencast
Sub Tropical
2009
Grand Cayman
2008
Zaca Lake
Return to the Zoo
Show: Favorites and Unmarked
5s
Project Library
Project – Snow Fun
3.6s
5.5s
6.4s
8.2s
10s
13s
15s
17s
1:33 total
2s
MacBook Pro

# HOW TO / Master the timeline


Show project clips as single or multiple rows
5s

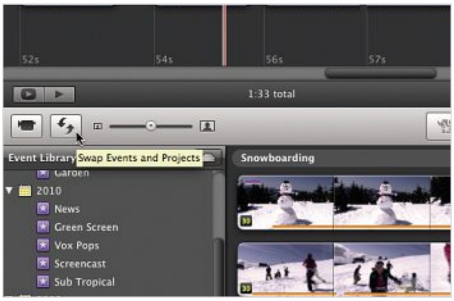
## 01 The timeline button

Changing how the project section displays your film, from a top-down vertical display to a left-right horizontal one, is actually extremely easy. All you have to do is click on the rectangular timeline button, top-right of the **Project Section**.


Project Library
Project – Snow Fun
1:33 total
Event Library
Snowboarding
Garden
2010

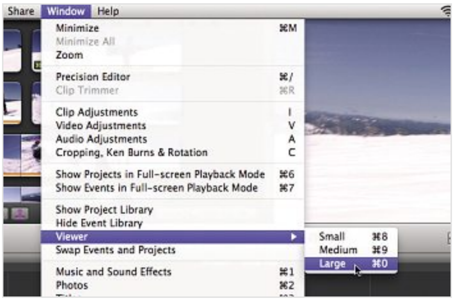
## 02 To the right

Instead of your project spanning multiple rows, all you see is a single one going off to the right, with a lot of grey around. You can scroll to the right to see more of your project, but obviously, you can't see as much at the same time as *iMovie*'s traditional display.


52s
54s
56s
57s
1:33 total
Event Library
Swap Events and Projects
Snowboarding
Garden
2010
News
Green Screen
Vox Pops
Screencast
Sub Tropical

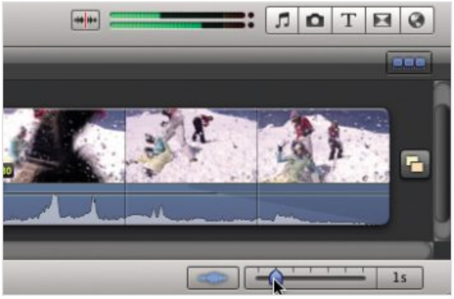
## 03 Swapping

It's possible to make better use of your screen space even if you're not using Lion's full-screen mode. In order to make sure the timeline spans the width of your screen, swap the project and event sections. Click on the button with two curved arrows, left of the toolbar.


Share
Window
Help
Minimize ⌘M
Minimize All
Zoom
Precision Editor ⌘/
Clip Trimmer ⌘R
Clip Adjustments I
Video Adjustments V
Audio Adjustments A
Cropping, Ken Burns & Rotation C
Show Projects in Full-screen Playback Mode ⌘6
Show Events in Full-screen Playback Mode ⌘7
Show Project Library
Hide Event Library
Viewer
Swap Events and Projects
Music and Sound Effects ⌘1
Photos ⌘2
Small ⌘8
Medium ⌘9
Large ⌘0

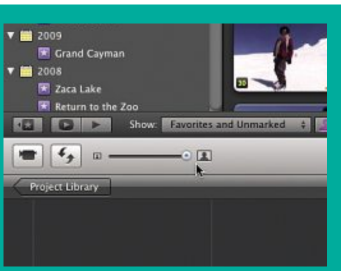
## 04 Larger preview

While the timeline is now longer, this hasn't got rid of the redundant space around your clips. This area is designed to display additional audio, titles and in some cases a second layer of video, but you could make better use of it: go to Window > Viewer > Large.



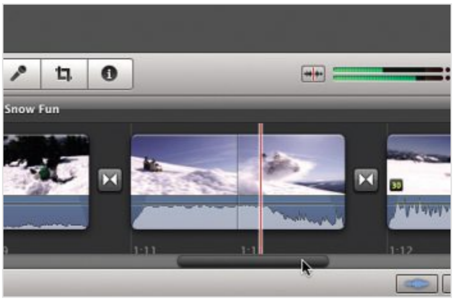
## 05 Zooming

By default, *iMovie* displays a thumbnail for your clips every five seconds – the longer the clip, the more thumbnails are displayed of it in the timeline. You can show more or fewer, letting you zoom into or out of your project, by using the slider, lower right of the timeline.


2009
Grand Cayman
2008
Zaca Lake
Return to the Zoo
Show: Favorites and Unmarked
Project Library

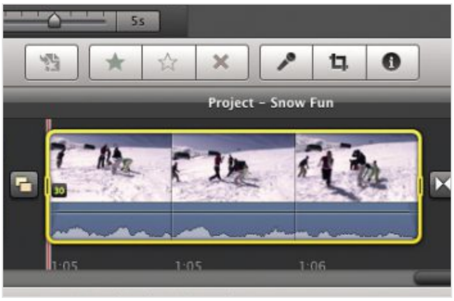
### QUICK TIP

Adding or removing thumbnails isn't your only customisation option: you can also make your clips bigger or thinner by using the slider, top-left of the timeline section (this also works in *iMovie*'s traditional multiple-rows view).


Snow Fun
1:11
1:12

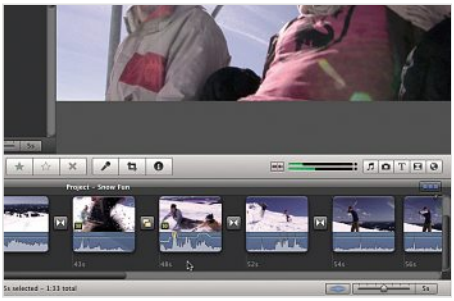
## 06 Scrolling

You can navigate your timeline by dragging its scroll bar, but if you have a multi-touch trackpad, swipe with two fingers instead. You can also use your keyboard's arrow keys: for instance, the right and left ones move the playhead one frame forward or backward.


5s
Project – Snow Fun
1:05
1:05
1:06

## 07 Shortcuts

Other shortcuts are available to navigate quickly through your edit. Jump to the next or previous clip in the sequence by using the ⌘+▶ or ⌘+◀ keys. On a laptop, to get to the start or end of your project, hold down the fn key and hit either the left or right arrow keys.


Project – Snow Fun
5s selected – 1:33 total

## 08 Timestamp

Finding your way around the timeline can get confusing with a long project. You'll see the length of your project at the bottom of the interface. But if you need to know where you're working in relation to it, check the bottom of the timeline – your position time is shown. ●

# Use Premiere's editing modes

Edit with the sceneline and the timeline to bring together your movie

## >> KEY INFO

**DIFFICULTY**
Beginner

**TIME NEEDED**
30 minutes

**WHAT YOU'LL NEED**
Adobe Premiere Elements 11 or later, some footage imported, a basic knowledge of the interface

Like Apple with *iMovie*, Adobe has tried to simplify the editing process in order to cater to a wider audience than 'prosumers' and professional filmmakers. With so many videos being uploaded to YouTube, in order to stand out from the crowd you need to have a polished product. And the only way to achieve this is by editing your clips as opposed to merely uploading raw footage.

But editing takes time, so the quicker you can cut your piece together the better. As a result, Adobe came up with two ways of seeing your edit: the sceneline and the timeline. The latter is the traditional editing concept: the length of the clip depends on its duration and you can move clips around, and even place them on different layers (so that the top layer obscures the bottom one – it's a convenient way of exploring which clip works best without having to re-edit the whole project). You have so much freedom that you can even create gaps between clips where the viewer only sees darkness. (This can of course be intentional or an unfortunate slip-up.)

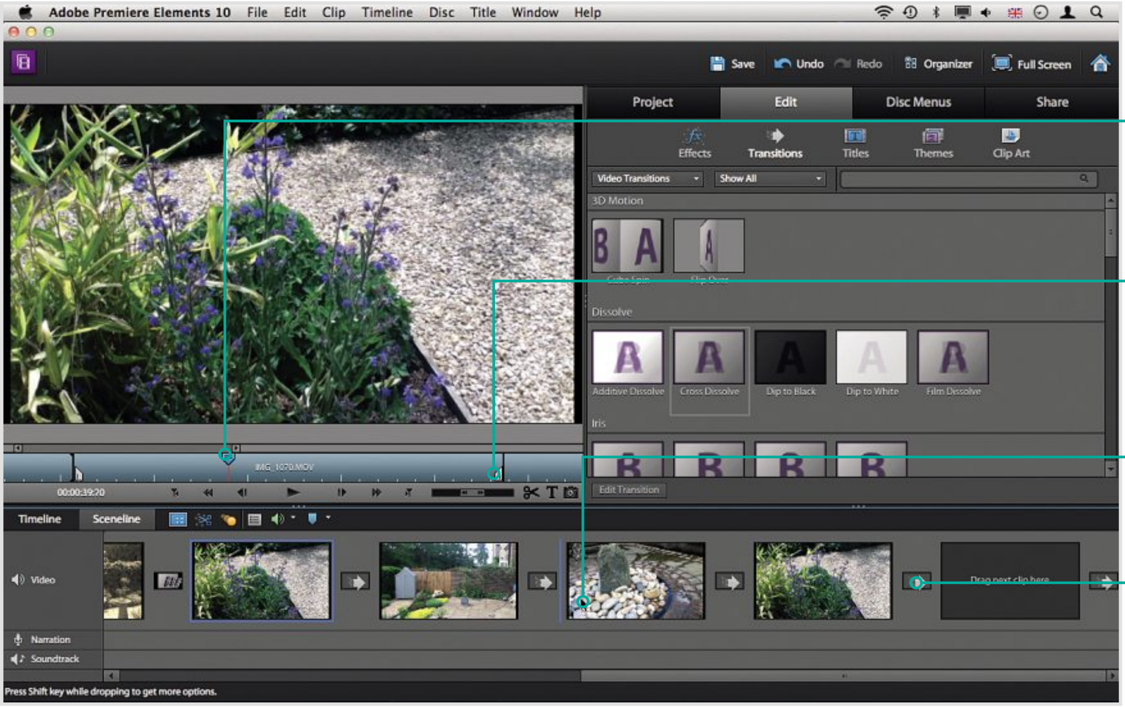
By contrast, the sceneline is much more simplistic, illustrated by its large, chunky thumbnails that represent your chosen clips. No matter how long the clip is, its dimension remains the same on the screen – veteran *iMovie* users will see similarities to its old interface.

> *"In this tutorial, we'll show you how to perform basic editing with the sceneline and the timeline"*

You can't separate a clip's audio from its video, nor can you work with multiple layers of video, for instance. Crippled though this view may be, it also makes editing incredibly simple: you can drag your clips onto the sceneline, reorder them with ease and even delete some you don't need. It's also a great way to create a rough edit of your project. However, there will come a time when you'll have to focus on your edit and fine-tune it, which means an inevitable trip to the timeline.

In this tutorial, we'll show you how to perform basic editing with the sceneline and how the timeline differs. This is especially true when moving and trimming clips straight from that section of the interface. You may find both convenient depending on which stage of the editing process you happen to be in.
**Steve Paris**

## >> HOW TO / Work with the sceneline


Adobe Premiere Elements 10
File
Edit
Clip
Timeline
Disc
Title
Window
Help
Save
Undo
Redo
Organizer
Full Screen
Project
Edit
Disc Menus
Share
Effects
Transitions
Titles
Themes
Clip Art
Video Transitions
Show All
3D Motion
Cube Spin
Flip Over
Dissolve
Additive Dissolve
Cross Dissolve
Dip to Black
Dip to White
Film Dissolve
Iris
Edit Transition
IMG_1070.MOV
00;00;39;20
Timeline
Sceneline
Video
Narration
Soundtrack
Drag next clip here
Press Shift key while dropping to get more options.

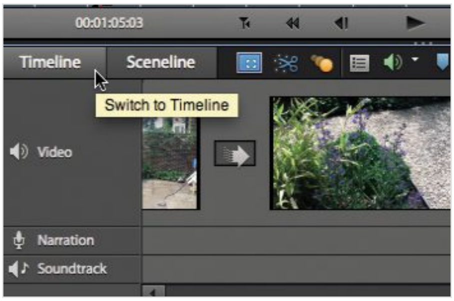
**Playhead**
There is no playhead over your thumbnails. It's located here, under the preview window.

**Trimming**
To trim a clip, select its thumbnail then drag either of these markers.

**Swap order**
To reorder your clips in the sceneline, drag one over another.

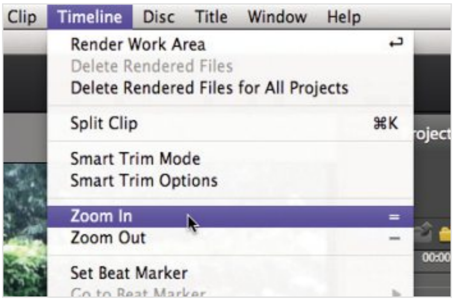
**Transitions**
These rectangles allow you to add transitions in between clips.

# » HOW TO / Work with the sceneline and the timeline


00:01:05:03
Timeline
Sceneline
Switch to Timeline
Video
Narration
Soundtrack

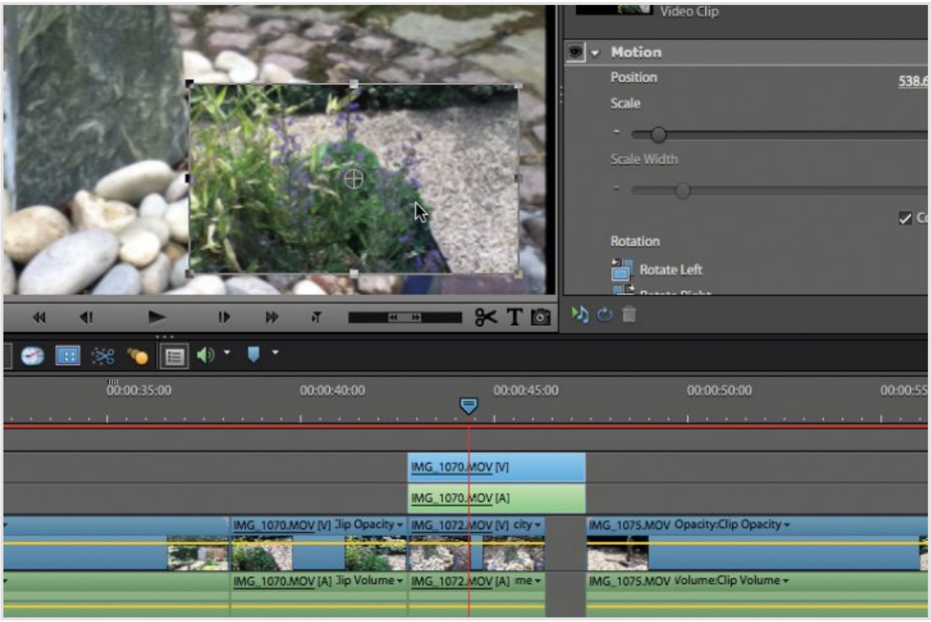
## 01 From scene to time

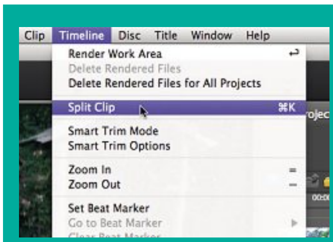
By default, *Premiere Elements* presents your workspace as a sceneline, the simplified editing concept. But switching between it and the timeline is easy: click on **Timeline** at the top-left to get rid of those big thumbnails and see a more traditional editing layout.


Clip Timeline Disc Title Window Help
Render Work Area
Delete Rendered Files
Delete Rendered Files for All Projects
Split Clip ⌘K
Smart Trim Mode
Smart Trim Options
Zoom In =
Zoom Out −
Set Beat Marker
Go to Beat Marker

## 02 Zooming in

You may find your clips bunched up to the left and too small to see, let alone edit them properly. To zoom into them, either drag this section's upper right slider to the right, or use the '+' and '-' keyboard shortcuts to zoom in and out. There is no 'Zoom to Fit' command.


Video Clip
Motion
Position
Scale
Scale Width
Rotation
Rotate Left
00:00:35:00
00:00:40:00
00:00:45:00
00:00:50:00
IMG_1070.MOV [V]
IMG_1070.MOV [A]
IMG_1070.MOV [V] Clip Opacity
IMG_1072.MOV [V]
IMG_1075.MOV Opacity:Clip Opacity
IMG_1070.MOV [A] Clip Volume
IMG_1072.MOV [A]
IMG_1075.MOV Volume:Clip Volume

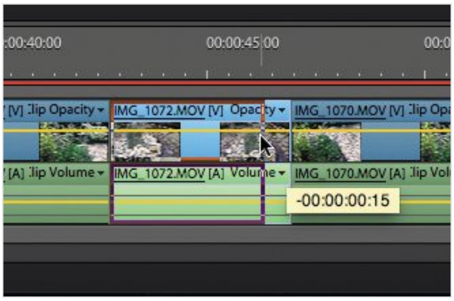

Clip Timeline Disc Title Window Help
Render Work Area
Delete Rendered Files
Delete Rendered Files for All Projects
Split Clip ⌘K
Smart Trim Mode
Smart Trim Options
Zoom In
Zoom Out
Set Beat Marker
Go to Beat Marker
Clear Beat Markers

## » QUICK TIP

Trimming a clip is incredibly useful, but sometimes you need to cut one in half, perhaps to insert another in between. To do this, move the playhead to the desired position then go to Timeline > Split Clip or use the ⌘+K shortcut.

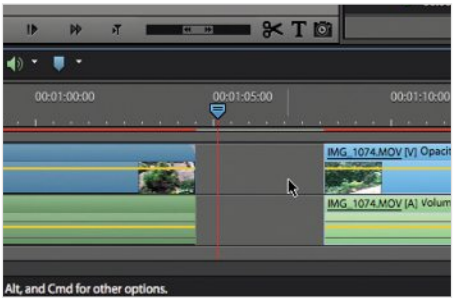
## 06 Layers

This is just scratching the surface of what you can achieve in the timeline as opposed to the sceneline. The main difference is your ability to work with up to three video and audio layers. These offer you many options. Placing a clip on top of another will obscure the lowest one, so you can check if one clip works better than another without removing the original. You could also play with the top clip's opacity so you can partially see the one beneath it. It's even possible to resize and reposition your top clip in order to see both the top and bottom clips at the same time. ctrl-click on the top clip and choose **Show Properties** to see its modifiable parameters. ●


00:40:00
00:00:45:00
IMG_1072.MOV [V] Opacity
IMG_1070.MOV [V] Clip Opacity
IMG_1072.MOV [A] Volume
IMG_1070.MOV [A] Clip Volume
-00:00:00:15

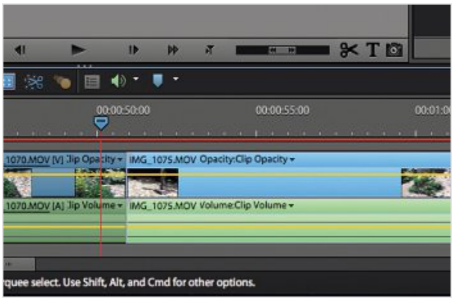
## 03 Trimming

Trimming a clip in the timeline is easy. Move the cursor to an edit point and notice it changing as you hover either side of that edit: drag from the left to lengthen or shorten the left clip. To perform the same action for the right clip, drag from the right of the edit point.


00:01:00:00
00:01:05:00
00:01:10:00
IMG_1074.MOV [V] Opacity
IMG_1074.MOV [A] Volume
Alt, and Cmd for other options.

## 04 Mind the gap

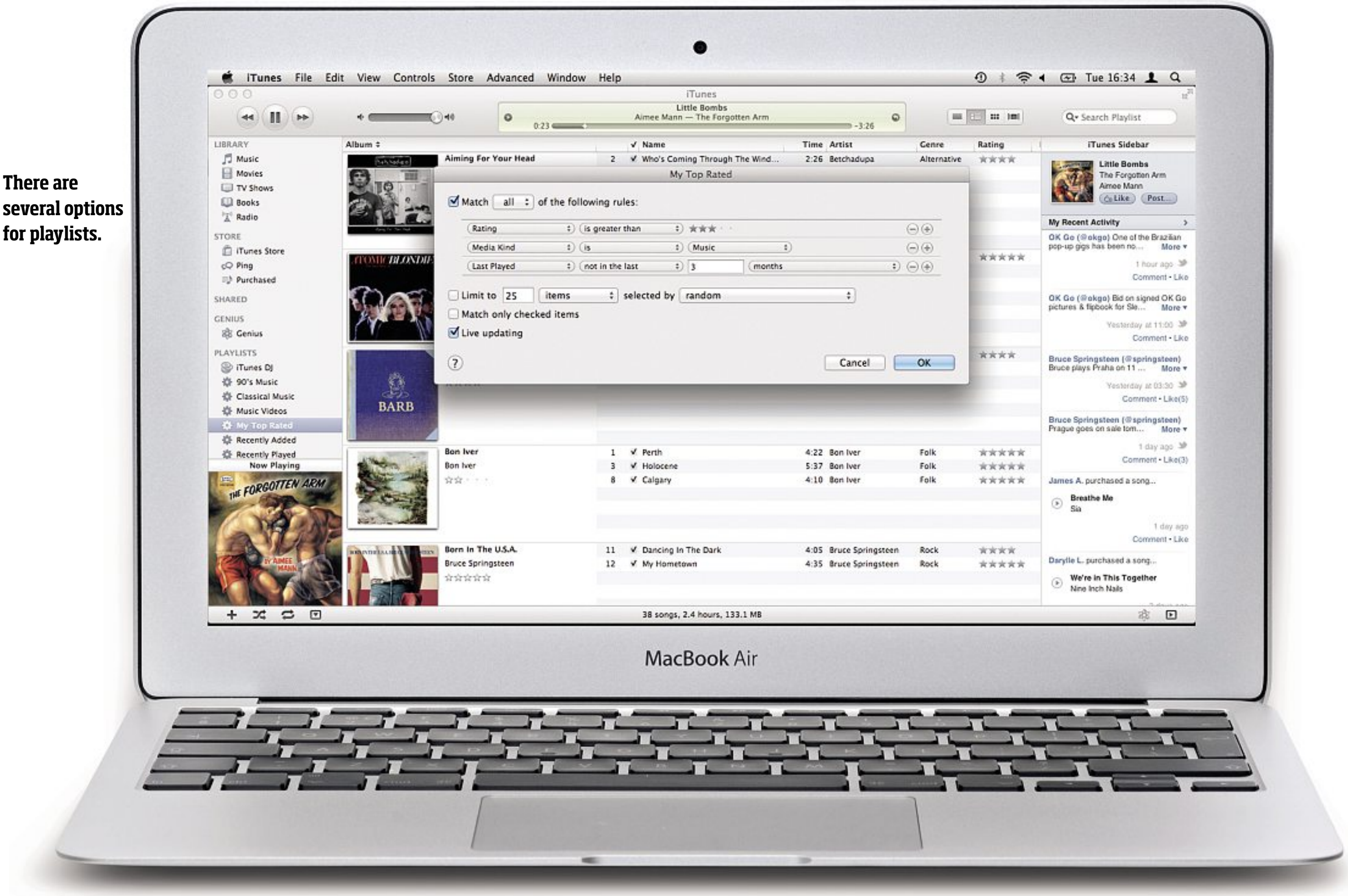
All other clips move along automatically so you don't overlap your edits or create gaps – unless you want to. For instance, drag your last clip to the right and you'll create a space in your film where no video is shown. You could, for instance, extend one clip's audio over that gap.


00:00:50:00
00:00:55:00
1070.MOV [V] Clip Opacity
IMG_1075.MOV Opacity:Clip Opacity
1070.MOV [A] Clip Volume
IMG_1075.MOV Volume:Clip Volume
quee select. Use Shift, Alt, and Cmd for other options.

## 05 Bridging audio

By default, a clip's audio is linked to its video, so if you extend or shorten it, the video will be affected similarly. To make your audio last longer than its video clip, you need to separate them: select a clip then go to Clip > Unlink Audio and Video to alter them independently.

There are several options for playlists.



My Top Rated

☑ Match all of the following rules:

Rating is greater than ★★★

Media Kind is Music

Last Played not in the last 3 months

☐ Limit to 25 items selected by random

☐ Match only checked items

☑ Live updating

# Create perfect iTunes playlists

iTunes has different types of playlist, but when should you use each one?

## >> KEY INFO

**DIFFICULTY**
Beginner

**TIME NEEDED**
15 minutes

**WHAT YOU'LL NEED**
Music in iTunes, iPod or iOS device (optional)

There are several ways that you can browse your music library in *iTunes*. Its grid and Cover Flow views are really great for picking out an album by its artwork, and you can play an individual track within seconds of it springing to mind, just by typing in the search bar. But sometimes you'll want to kick back with a tailored selection of songs, or create a playlist for a party.

*iTunes* caters for this with several kinds of playlist. Each type is differently suited to the effort you want to invest and how finickety you happen to be feeling. The most basic type of playlist is nothing more than a place to gather songs from your whole library and play them in whatever order you choose.

With Smart Playlists, instead of handpicking every single song, you can specify criteria that inspects information attached to your songs, such as the artist and year of publication. *iTunes* also records dynamic information, such as the number of times you've played a song and how many times you've skipped it. *iTunes* does the hard graft of working out what matches your criteria, which it does in next to no time even if your library contains thousands of songs.

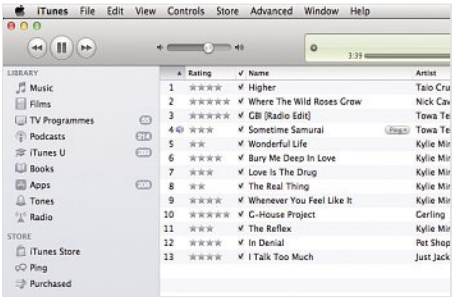
Several Smart Playlists are automatically provided to serve common purposes. One shows your highest-rated songs, while another shows recent additions to your library. You might want to create a list just to show dance music from the 1990s only, or songs by particular artists that you haven't listened to in the last six months.

> *"Each type is suited to the effort you want to invest and how finickety you happen to be feeling"*

For a Genius Playlist, you only need to pick one track from your library to generate a selection of up to 100 songs. This requires the Genius feature to be on (Store > Turn On Genius), so that *iTunes* can periodically provide Apple with information about your songs and listening habits. Apple analyses information from many people around the world and cross-references with your library to pick out songs that it thinks are complementary to the single song you've chosen.

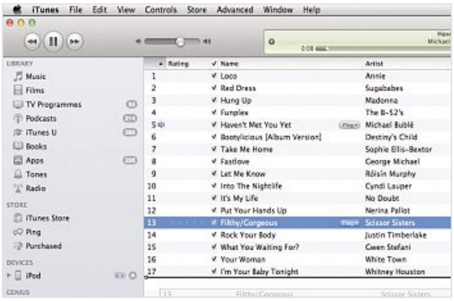
**Alan Stonebridge**

## HOW TO / Create perfect iTunes playlists


iTunes File Edit View Controls Store Advanced Window Help
LIBRARY
Music
Films
TV Programmes
Podcasts
iTunes U
Books
Apps
Tones
Radio
STORE
iTunes Store
Ping
Purchased

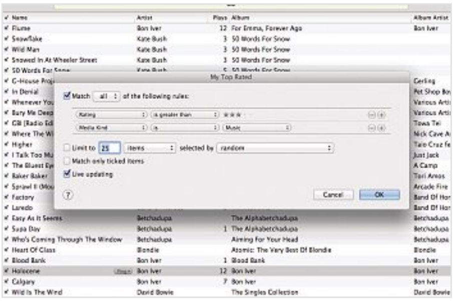
### 01 Build a playlist

Choose File > New Playlist or click the **+** at the bottom-left of *iTunes'* window to create a playlist. Name it and press ↩. Click **Music** in the left pane and drag songs from your library onto the playlist's name. Hold ⌘ to select multiple tracks to add in one drag.



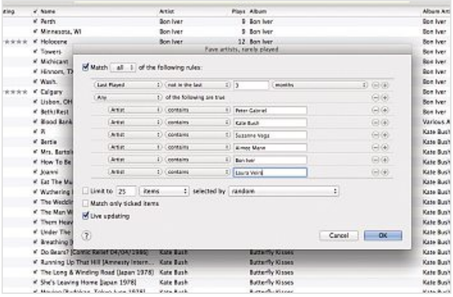
### 02 Change the order

Click your playlist. Tracks play in the order they were added. Drag them up and down the list to change that. Click the second icon at the bottom-left to turn on shuffle. The third repeats the playlist or song indefinitely. Playlists individually retain these settings.


Match all of the following rules:
Live updating
Cancel
OK

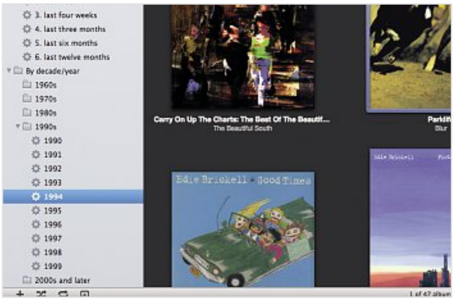
### 03 Get smart

Smart Playlists have a cog to the left of their name in the left pane. Hold ctrl and click one of the pre-defined ones that comes with *iTunes* and choose **Edit Smart Playlist**. From the same menu, use **Duplicate** to adapt an existing Smart Playlist.


Match all of the following rules:
Live updating
Cancel
OK

### 04 Make the rules

Choose File > New Smart Playlist to start from scratch. Click the + button to add rules to be additionally matched. Hold ⌥ and the **+** will change to '**…**', which adds a group of conditions. You can set it to match any of the rules within.

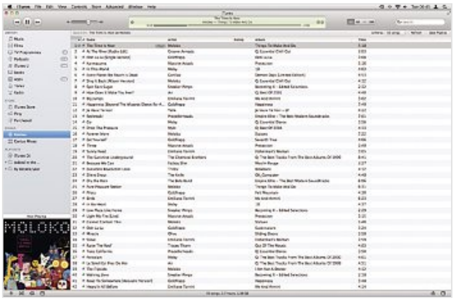

3. last four weeks
4. last three months
5. last six months
6. last twelve months
By decade/year
1960s
1970s
1980s
1990s
2000s and later

### 05 Tidy up

File > New Playlist Folder organises playlists. Drag a playlist onto a folder to put it inside. Folders can contain other folders. To move a playlist to the top level, drag it over a playlist at that level, then left of its icon. Let go when the blue highlight disappears.

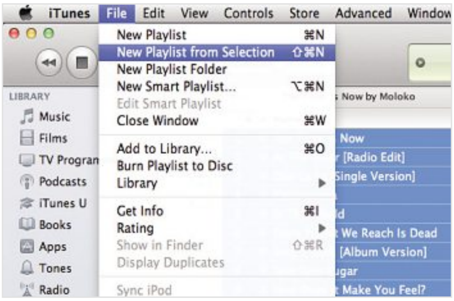
### QUICK TIP

Genius Mixes, found under **Genius** in the left pane, differ from Genius Playlists in that they're automatically generated for you. Each one contains a continuous loop of music based on genres, instead of using a single track as a starting point. They can also be synced to your iPod.



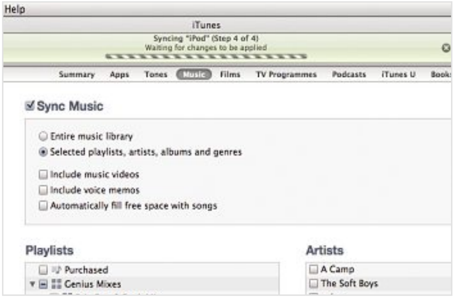
### 06 Speedy creation

Make sure Genius is on and up to date (Store > Update Genius). Next, hold down ctrl and click a song in your library. Choose **Start Genius** to create a Genius Playlist. At the top-right, you can choose how many tracks it contains.


iTunes File Edit View Controls Store Advanced Window
New Playlist ⌘N
New Playlist from Selection ⇧⌘N
New Playlist Folder
New Smart Playlist… ⌥⌘N
Edit Smart Playlist
Close Window ⌘W
Add to Library… ⌘O
Burn Playlist to Disc
Library
Get Info ⌘I
Rating
Show in Finder ⇧⌘R
Display Duplicates
Sync iPod
LIBRARY
Music
Films
TV Program
Podcasts
iTunes U
Books
Apps
Tones
Radio

### 07 Saving genius

Press **Save Playlist** at the top-right so you can revisit this playlist later. A Genius Playlist remains the same until you select one and press **Refresh** at the top-right. To avoid losing content, press ⌘+A to select and choose File > New Playlist from Selection.


Help
iTunes
Syncing "iPod" (Step 4 of 4)
Waiting for changes to be applied
Summary
Apps
Tones
Music
Films
TV Programmes
Podcasts
iTunes U
Books
Sync Music
○ Entire music library
● Selected playlists, artists, albums and genres
☐ Include music videos
☐ Include voice memos
☐ Automatically fill free space with songs
Playlists
Purchased
Genius Mixes
Artists
A Camp
The Soft Boys

### 08 Listen on the go

Playlists can help transfer music to an iPod or iOS device if it can't hold everything. Connect your device, select it on the left, then click Music at the top of the right pane. Under **Playlists**, put a tick next to any playlists you want to take with you. ●

# Create Pages templates

Make a template with everything in its right place as soon as you open it

**» KEY INFO**

**DIFFICULTY**
Beginner

**TIME NEEDED**
10 minutes

**WHAT YOU'LL NEED**
Pages (£14 on the App Store)

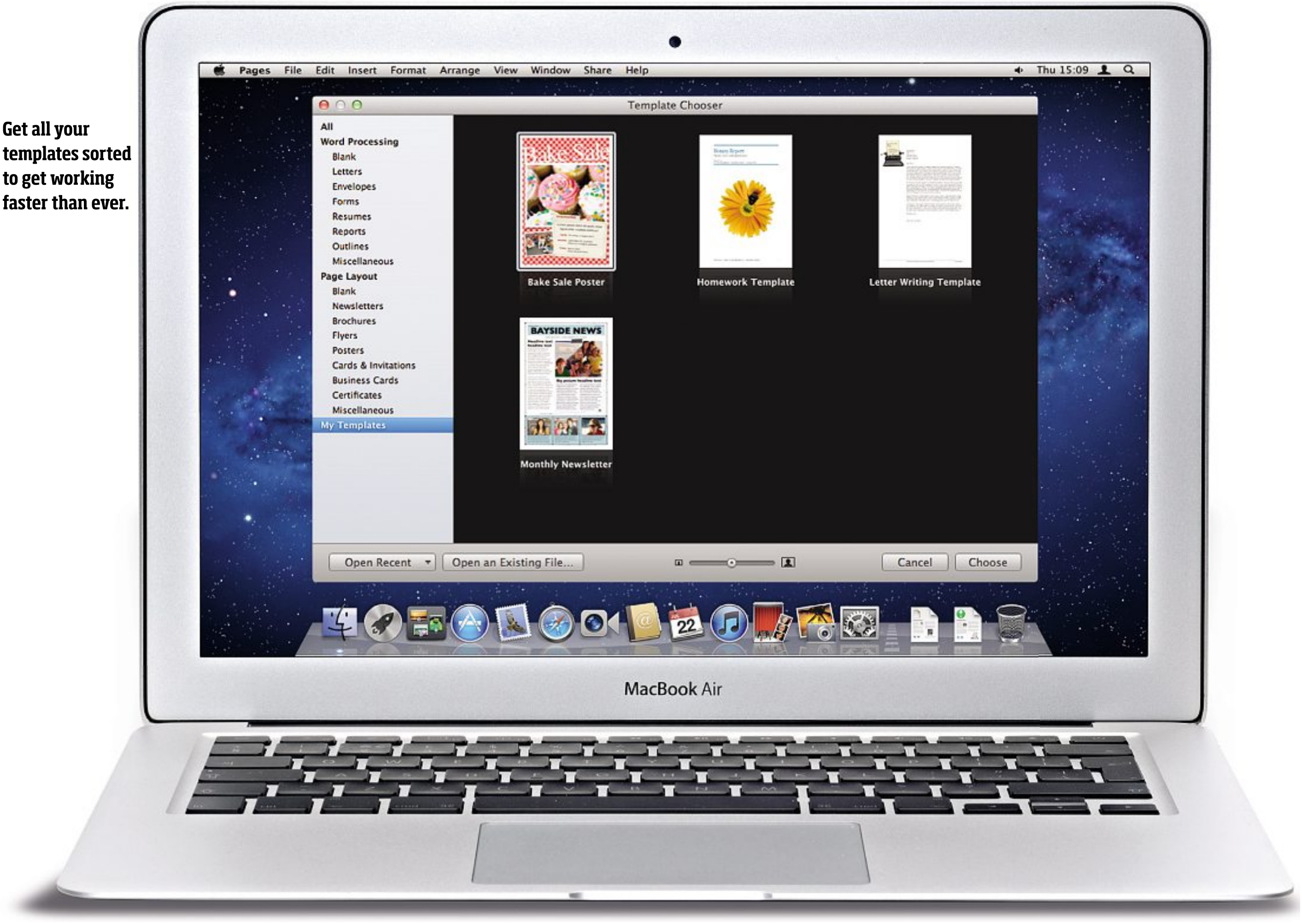
*Pages* is an application with many uses, from page layout to word processing. But it's pretty likely that you use it for one task more than anything else. Whether it's writing essays, sending letters or creating a newsletter, the chances are you head back to *Pages* time and again to create the same document from scratch.

Before you begin creating, however, there's normally some housekeeping to be done. You might prefer to have the Styles Drawer open so you can quickly change page elements, or perhaps you like to have Layout turned on to see how your document fits together. At the very least, you'll want a basic template to work from rather than just a blank canvas that forces you to start from scratch. Rather than saving a document to work from each time, a template is far more convenient and helps you avoid saving over a file by mistake when working in this way.

By making your own templates, you can quickly start the process of creating without having to worry about your settings or page design when you open your document. Even if you use one of Apple's own templates as a starting point, you can customise it to your liking and save it as a document you can access each time you launch *Pages*. Whenever a document is saved as a template, it appears in *Pages'* Template Chooser too, just like the default templates. This means that starting your next piece of work from a convenient position is only a couple of clicks away when you launch the application.

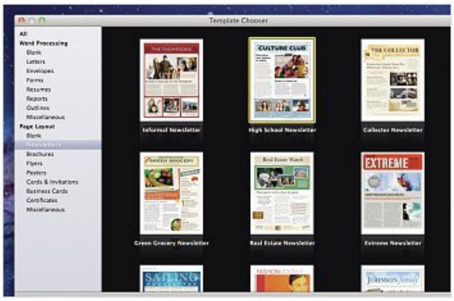
*"You can quickly start the process of creating without having to worry about your settings"*

In this tutorial we'll show you how to build your new template, save it and access it from the Template Chooser. After following these steps, you will be working faster and more efficiently in *Pages* when it comes to the projects you use most often.
**Ben Harvell**


Pages File Edit Insert Format Arrange View Window Share Help
Thu 15:09
Template Chooser
All
Word Processing
Blank
Letters
Envelopes
Forms
Resumes
Reports
Outlines
Miscellaneous
Page Layout
Blank
Newsletters
Brochures
Flyers
Posters
Cards & Invitations
Business Cards
Certificates
Miscellaneous
My Templates
Bake Sale Poster
Homework Template
Letter Writing Template
BAYSIDE NEWS
Monthly Newsletter
Open Recent
Open an Existing File...
Cancel
Choose
22
MacBook Air

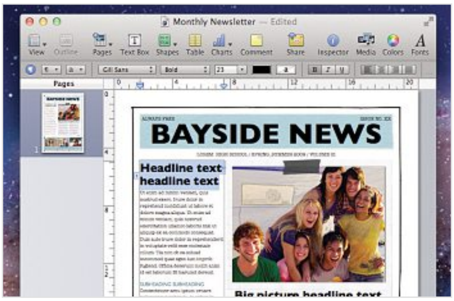
**Get all your templates sorted to get working faster than ever.**

# HOW TO / Create your own Pages template


Template Chooser
Informal Newsletter
High School Newsletter
Collector Newsletter
Green Grocery Newsletter
Real Estate Newsletter
Extreme Newsletter

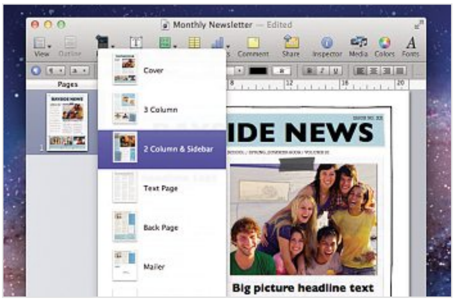
## 01 Starting point

Begin by launching *Pages* and choose an existing file you want to work from. Or, use an Apple-made template, or simply a blank page if you want to start your template from scratch. This document will provide the starting point for your new custom template.


Monthly Newsletter — Edited
BAYSIDE NEWS
Headline text headline text
Big picture headline text

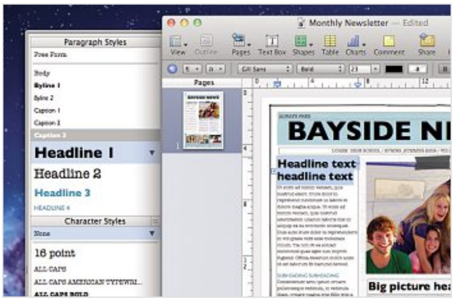
## 02 Setup your document

Whatever you want included in your template should now be added. Position images, text and boxes as you wish. Also choose your desired fonts and styles so that the document is at a point from which you can start working on it without having to make changes.


Monthly Newsletter — Edited
Cover
3 Column
2 Column & Sidebar
Text Page
Back Page
Mailer
Big picture headline text

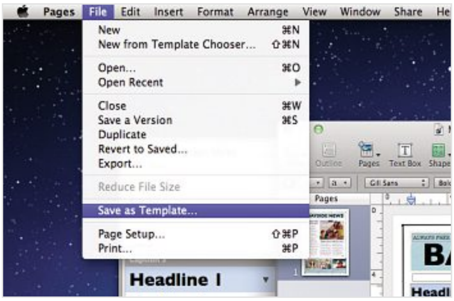
## 03 Add more pages

If the document you want to use requires more than one page, add them now by clicking on the **Sections** button and picking a page style. Set up this page in the same way you did in step 2. Make sure all fonts and images are styled and positioned the way you want.


Paragraph Styles
Headline 1
Headline 2
Headline 3
Character Styles
16 point
BAYSIDE NE
Headline text headline text
Big picture hea

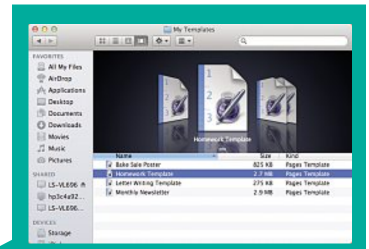
## 04 Interface adjustments

If you work with the **Styles Drawer** and want it to be open when you launch your template, open it now. That way the preference is saved with your template. This applies to the **Layout** display, which can be turned on from the **View** menu and shows element borders.


Pages
File
Edit
Insert
Format
Arrange
View
Window
Share
New
New from Template Chooser...
Open...
Open Recent
Close
Save a Version
Duplicate
Revert to Saved...
Export...
Reduce File Size
Save as Template...
Page Setup...
Print...
Headline 1

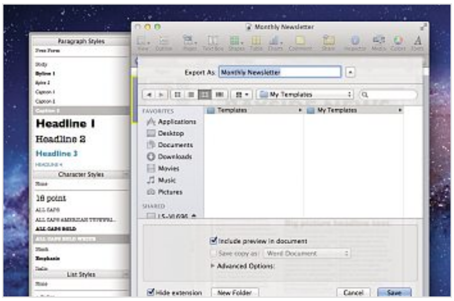
## 05 Save as template

When you're happy with your document and have finished making changes, it's ready to be saved as a template. Head to the **File** menu and select **Save as Template**. Choose a location on your Mac to store your template (it's best to keep it safe in the **Pages Templates** folder).


My Templates
Bake Sale Poster
Homework Template
Letter Writing Template
Monthly Newsletter

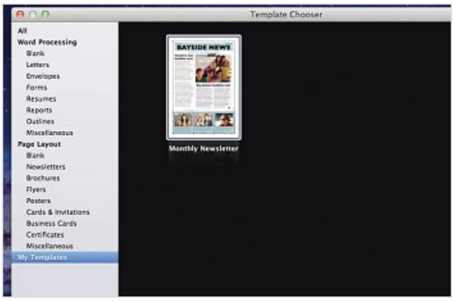
## »QUICK TIP

Want to move or delete templates? Go to the Library > Application Support folder for your user account. Locate the iWork > Pages folder. Here you'll find the **Templates** and **My Templates** folder within which your templates are stored. Now copy or delete templates as you wish.


Export As: Monthly Newsletter
My Templates
Include preview in document
Advanced Options:
Hide extension
New Folder
Cancel
Save

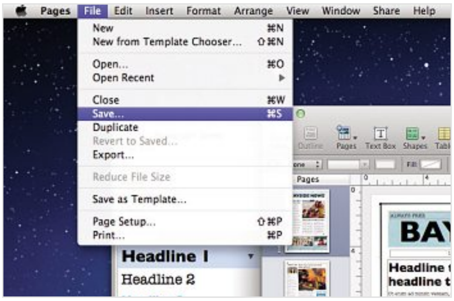
## 06 Multimedia

If your *Pages* document includes movies or audio files, they won't be accessible if you move the template to another Mac. To make sure these files are bundled into your template, click the **Advanced Options** disclosure triangle and ensure the box is checked.


Template Chooser
Monthly Newsletter
My Templates

## 07 Test it out

Once your template is saved, close your document and select **New from Template Chooser** from the **File Menu**. Click on **My Templates** at the bottom of the left-hand pane and your saved template will be shown with a small preview. Double-click the preview to open.


Pages
File
New
New from Template Chooser...
Open...
Open Recent
Close
Save...
Duplicate
Revert to Saved...
Export...
Reduce File Size
Save as Template...
Page Setup...
Print...
Headline 1
Headline 2

## 08 Start working

Your template will now open as a new document and, as a result, will be untitled. Save it with a new name and you're ready to start working. Now, every time you need to work on this kind of document you can launch your template rather than start from scratch. ●

# Create comparison charts

Easily spot changes between two sets of figures with Numbers' chart tools

**»KEY INFO**

**DIFFICULTY**
Intermediate

**TIME NEEDED**
20 minutes

**WHAT YOU'LL NEED**
Numbers (available for £13.99 on the App Store)

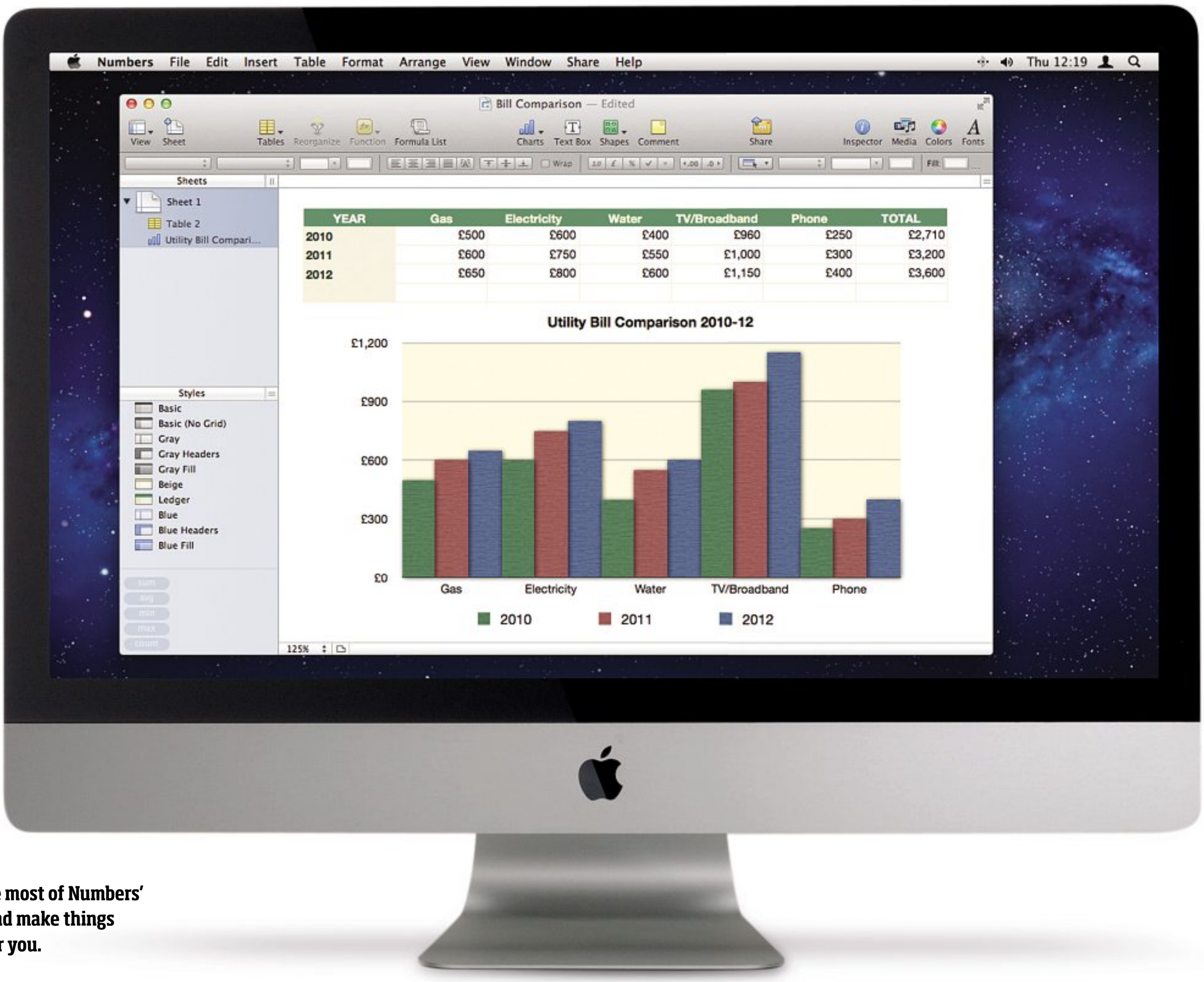
Most of us need to keep an eye on our money in these trying financial times to make sure we're saving where we can. *Numbers* is the perfect tool for doing just that. Its charts provide a useful, not to mention easy, way to digest figures instead of reviewing reams of digits.

By creating a chart that puts two sets of figures side by side, you can quickly spot relationships between numbers and see how they compare. This can be particularly useful when comparing annual income figures, monthly bills or any other collection of data for that matter. Comparing sports results or points scored is another handy use for these charts.

In this tutorial we're going to deal with the basics, a set of utility bills totalled up for the year, and we'll compare them with those from the year before. By placing both sets of figures on one of *Numbers'* attractive charts you will quickly see where you're spending more or less than the year before. We'll also show you how to add a third set of figures so you can update the current year as the numbers come in and continue to assess the situation.

> *"You can quickly spot relationships between numbers and see how they compare side by side"*

*Numbers* makes it easy to quickly build a chart of this type, with drag and drop replacing most of the mundane journeys through menus and settings. Within minutes you'll be able to input your data and see it represented on a slick-looking chart that you can refer to whenever you wish. As with all *Numbers* charts, you can even go back and edit your original data and watch the chart update in front of your eyes. All you need to follow this tutorial is a set of figures and a blank *Numbers* document and you're all set. If you have those ready, let's go compare…
**Ben Harvell**

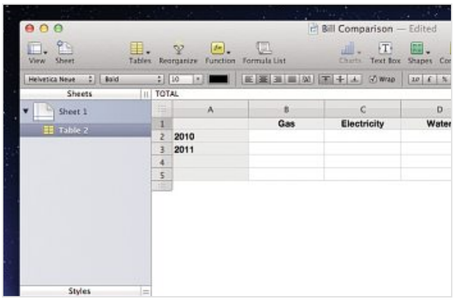

Numbers File Edit Insert Table Format Arrange View Window Share Help
Thu 12:19
Bill Comparison — Edited
View Sheet Tables Reorganize Function Formula List Charts Text Box Shapes Comment Share Inspector Media Colors Fonts
Sheets
Sheet 1
Table 2
Utility Bill Compari...
Styles
Basic
Basic (No Grid)
Gray
Gray Headers
Gray Fill
Beige
Ledger
Blue
Blue Headers
Blue Fill
125%

| YEAR | Gas | Electricity | Water | TV/Broadband | Phone | TOTAL |
|---|---|---|---|---|---|---|
| 2010 | £500 | £600 | £400 | £960 | £250 | £2,710 |
| 2011 | £600 | £750 | £550 | £1,000 | £300 | £3,200 |
| 2012 | £650 | £800 | £600 | £1,150 | £400 | £3,600 |

Utility Bill Comparison 2010-12
£1,200
£900
£600
£300
£0
Gas
Electricity
Water
TV/Broadband
Phone
🟩 2010
🟥 2011
🟦 2012

Make the most of Numbers' charts and make things easier for you.

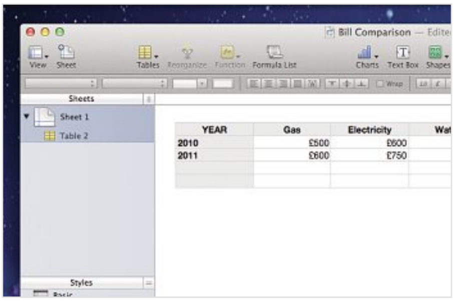
# HOW TO / Compare figures with a Numbers chart



|  | Gas | Electricity | Water |
|---|---|---|---|
| 2010 |  |  |  |
| 2011 |  |  |  |

## 01 Rows and columns

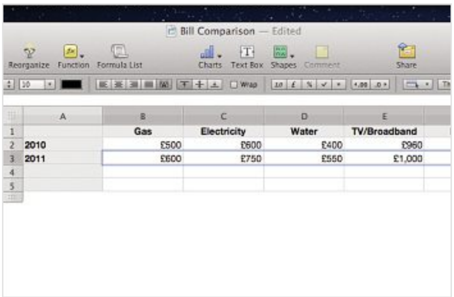
Launch *Numbers* and select a blank spreadsheet from the **Template Chooser**. Now fill out the headings for your comparison chart. Here we have added two rows for the years and five columns for the bill types. We've also added a Total column that we will fill later.



| YEAR | Gas | Electricity |
|---|---|---|
| 2010 | £500 | £600 |
| 2011 | £600 | £750 |

## 02 Add the figures

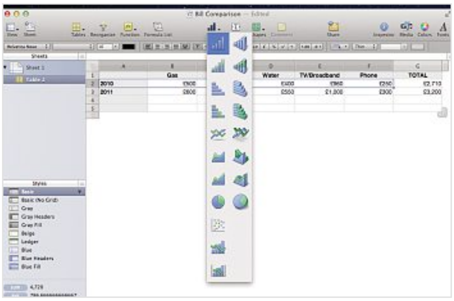
Now fill in your data in the relevant cells for the two years you are comparing. For example, the total gas bill for 2010 goes into the cell in the Gas column next in the 2010 row. That's cell B2 in our example. Leave the Total cells blank for now.



|  | Gas | Electricity | Water | TV/Broadband |
|---|---|---|---|---|
| 2010 | £500 | £600 | £400 | £960 |
| 2011 | £600 | £750 | £550 | £1,000 |

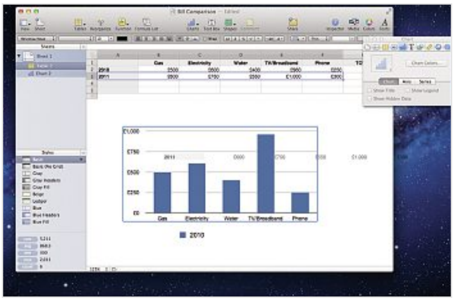
## 03 Total it up

Now select all of the numbers for each bill in one year by clicking the first cell, holding ⇧ and clicking the last cell. Now click and drag the Sum amount at the bottom-left of the interface to the Total cell for that row. Do the same for the second set of figures.



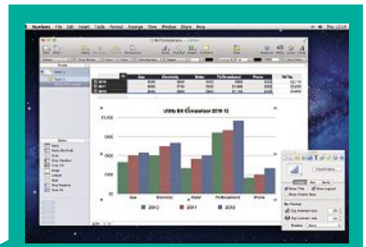
## 04 Create a chart

Select the first row of figures plus the title of the row by clicking on the title cell and then holding ⇧ and clicking the final cell, ignoring the Total cell. Click the **Charts** button and select a chart type from the drop-down menu. The chart will appear below your figures.



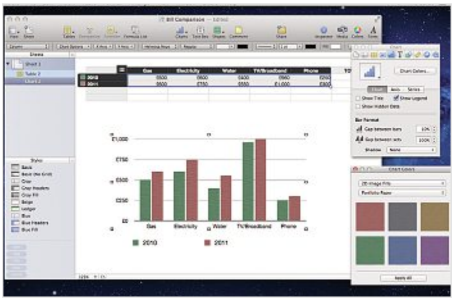
## 05 Add the comparison

Follow the same process as in step five to select your second set of figures and their title. Now, click and drag this selected set of figures onto your existing chart. A second set of bars will be added to your chart showing the new data next to the original set.



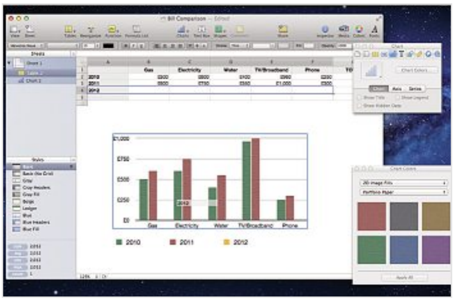
## QUICK TIP

You can make your chart look more attractive, and even use the 3D chart styles. You can also adjust the spacing between bars on your chart to tighten things up: click the **Chart** tab on the Inspector pane and reduce or increase the **Gap** between bars and between sets of figures.



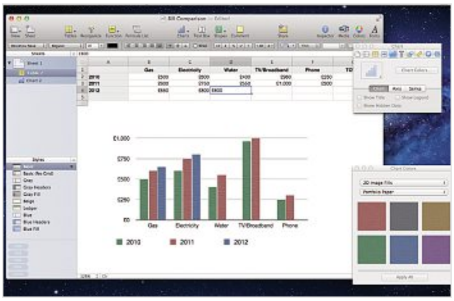
## 06 Colour selection

If the colours used by default in your chart are too similar or you fancy some different shades, click on the **Chart Colors…** button from the Inspector pane's **Chart** tab. From the **Chart Colors** pane that appears you can drag and drop new colours onto your chart.



## 07 More figures

To continue your comparison you can create another row of figures for your chart below the two previous sets. Here we've added a 2012 row but not entered any data. Select this row and its title and drag it to your chart. You won't notice much change, so see the next step.



## 08 Continued comparison

Type data into your new row for the corresponding column headings and you'll notice the chart automatically adds the new data to your chart. You can continue to add data as and when you get it. As before, you can also change the colour of this bar on the chart. ●

# Make web animations

## Use Hype to create HTML5 animations that will play on any device

### KEY INFO

**DIFFICULTY**
Intermediate

**TIME NEEDED**
20 minutes

**WHAT YOU'LL NEED**
Tumult Hype 1.0.5 (available on the Mac App Store for £21)

HTML5 animation is definitely on the up. While Flash is still common for animated banners and the like on the web, there are disadvantages. You can't view them on iOS for a start. And recently, Adobe announced it would be ceasing development of Flash on mobile platforms and putting its efforts into HTML5.

There are a number of ways to create HTML5 animations. If you're a whizz at HTML, you'll not have a problem doing everything in lines of code. And while we'd all love to be able to do this, it's just not realistic. You can also use a tool called *Edge* that Adobe currently offers as a free download at http://labs.adobe.com (but it is a beta preview). Or, you could use Tumult's *Hype*.

*Hype* is a new tool for creating HTML5 animated content. It takes a lot of its central ideas from animation tools, such as *After Effects*, so if you're familiar with the principles of key framing and in-betweens you'll be up and running in no time. Even if you're not, *Hype* has some great features for creating animations. One is the Record Animation button on the timeline (and in the Animation menu). Essentially, it enables you to move objects around in the application, recording their motion path, scale and other transformations as you go. You can then, of course, tweak the keyframes as necessary to fine-tune your animation.

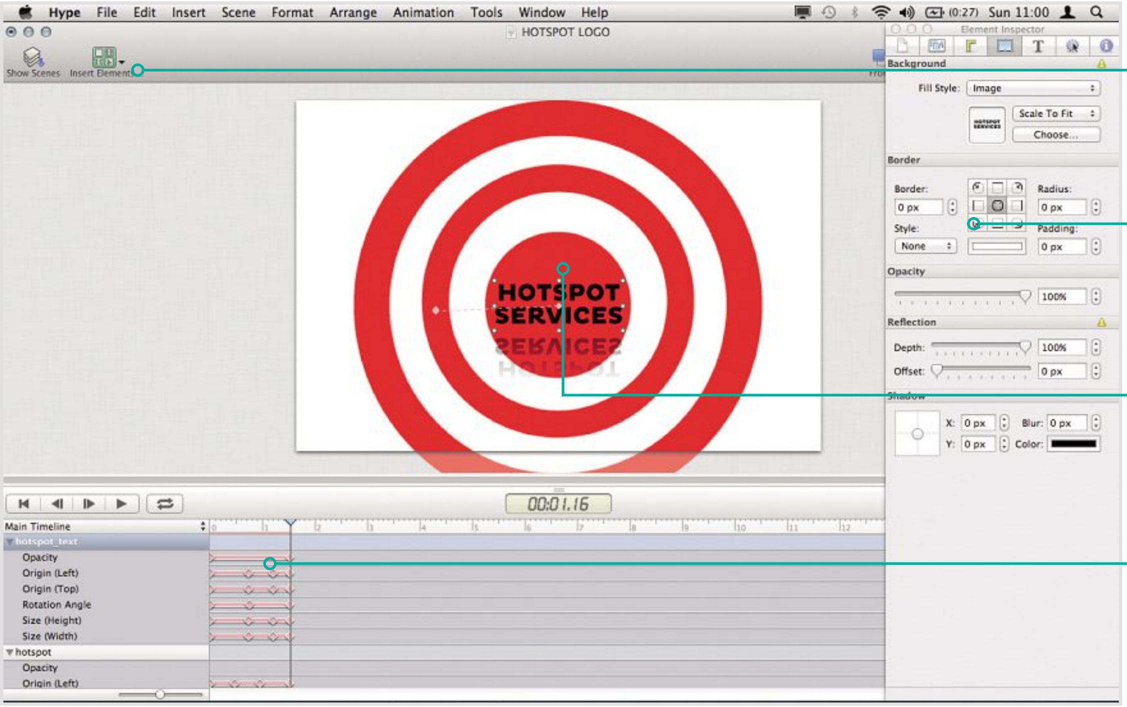
> *"Hype is a new tool for creating animated HTML5 content. It takes a lot of its ideas from After Effects"*

In this tutorial, we'll be creating a simple animated logo to be used on the splash screen of a mobile site for iOS. But this is just one potential use for *Hype*. It's perfect for creating HTML5 animated banners. You can also create small animated content for apps (including *Adobe Digital Publishing Suite*), without any coding. Exporting and choosing your desired browser and destination is easy – go to Export > HTML5. You can even export straight to a Dropbox account to share it.

What's more, *Hype* is only £21 and available from the Mac App Store. It's a bargain at that price and you can begin creating HTML5 animations for websites, mobile sites and apps in no time at all. So let's get started on a simple animation. Remember, this is just a guide, so apply it to your own images, graphics and so on.

**Rob Carney**

### QUICK LOOK / The Hype interface


Hype
File
Edit
Insert
Scene
Format
Arrange
Animation
Tools
Window
Help
(0:27) Sun 11:00
HOTSPOT LOGO
Show Scenes
Insert Elements
Element Inspector
Background
Border
Opacity
Reflection
Shadow
HOTSPOT SERVICES
00:01.16
Main Timeline
hotspot_text
Opacity
Origin (Left)
Origin (Top)
Rotation Angle
Size (Height)
Size (Width)
hotspot
Opacity
Origin (Left)

Fill Style: Image
Scale To Fit
Choose…
Border: 0 px
Radius: 0 px
Style: None
Padding: 0 px
Opacity: 100%
Depth: 100%
Offset: 0 px
X: 0 px
Y: 0 px
Blur: 0 px
Color:

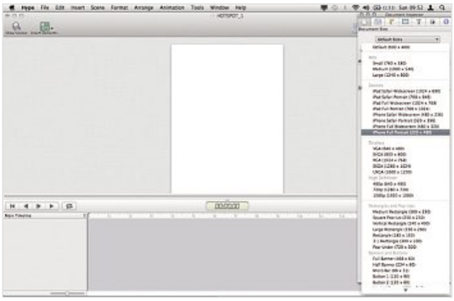
**Insert Elements**
Add text, shapes, buttons or import images into your scene.

**Inspectors**
Change various elements in your scene from these panes.

**Stage**
Preview your animation and set the recording stage here.

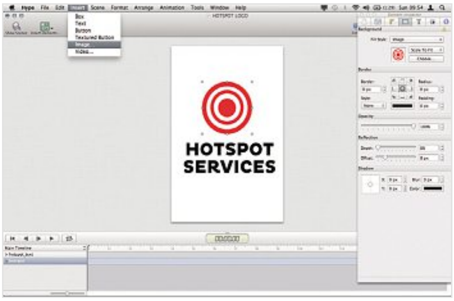
**Timeline**
Manage your animated content in here and manipulate the many keyframe controls.

# HOW TO / Animate and add interactivity with Hype



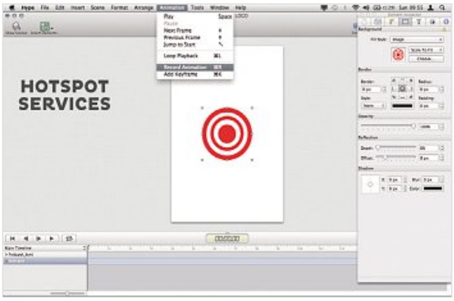
## 01 Initial setup

Open *Hype*. The default page size is 600x400 pixels. You can change this to any dimension, or use the **Default Sizes** drop-down menu to specify a size. We're going to create an animated logo splash screen for use on a mobile site, so use **iPhone Full Portrait (320x480)**.


HOTSPOT SERVICES

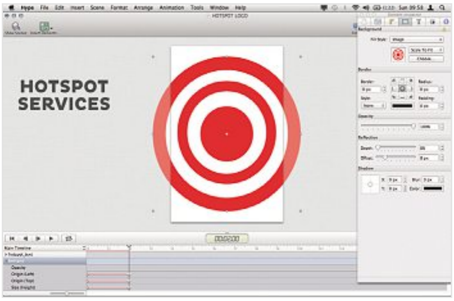
## 02 Import graphics

Now to import your logo. Save it from your graphics app as a transparent PNG file. Go to Insert > Image and choose your file. Repeat for other files you want to bring in. You can create text natively in *Hype*, but for more control we've created it in a graphics application.


HOTSPOT SERVICES

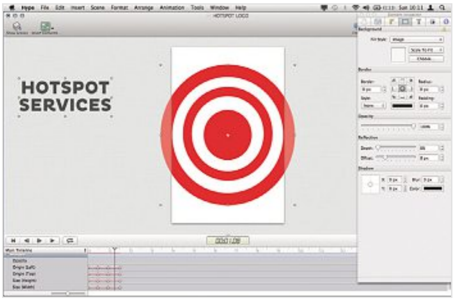
## 03 Record animation

The images show in the timeline. We'll add a simple scale effect to an image and a fade-in effect to the text. Move the text off the stage onto the pasteboard. Position your image at the place and size you want it to start at and go to Animation > Record animation (⌘+R).


HOTSPOT SERVICES

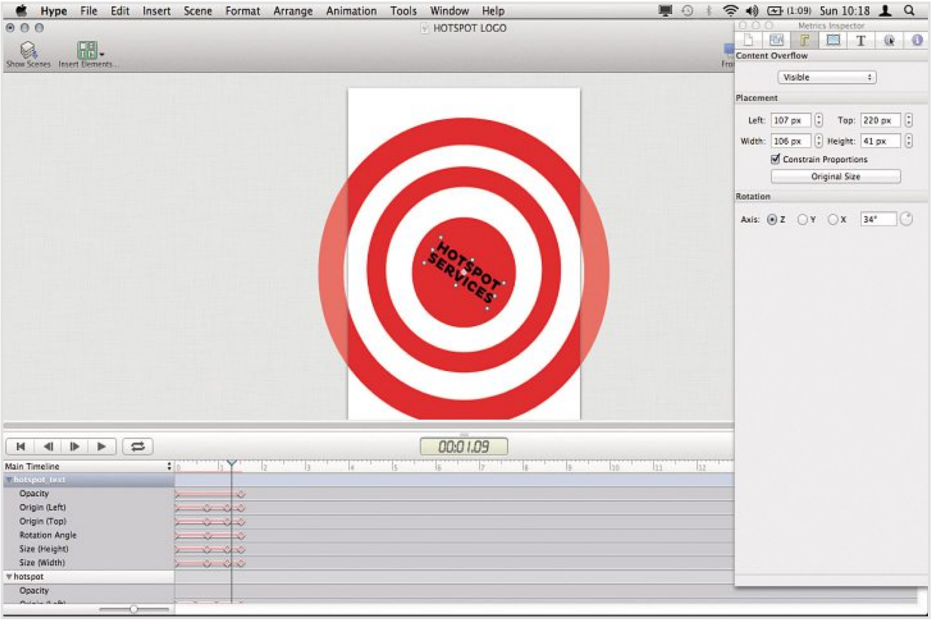
## 04 Continue animating

Now, drag the playhead to around two seconds on the timeline and scale the image up so it fills the screen. *Hype* will then animate this for you. Go to Animation > Record Animation again to turn it off and then hit the spacebar to preview the animation.


HOTSPOT SERVICES

## 05 Fine tune

Drop the image name into the timeline. You'll see a number of diamonds at the two-second mark. These relate to the kind of transformation you've applied. For example, to scale faster, drag back along the timeline; to scale slower, drag them forward.


Hype
File
Edit
Insert
Scene
Format
Arrange
Animation
Tools
Window
Help
(1:09) Sun 10:18
HOTSPOT LOGO
Show Scenes
Insert Elements
Metrics Inspector
HOTSPOT SERVICES
00:01.09
Main Timeline
hotspot_text
Opacity
Origin (Left)
Origin (Top)
Rotation Angle
Size (Height)
Size (Width)
hotspot
Opacity

Content Overflow: Visible

Placement

Left: 107 px Top: 220 px

Width: 106 px Height: 41 px

☑ Constrain Proportions

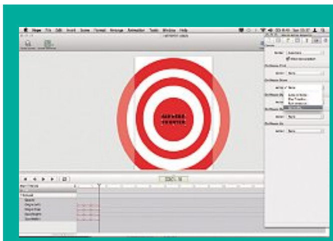
Original Size

Rotation

Axis: ● Z ○ Y ○ X 34°

## 06 More effects

Finally, let's add more effects. Put the playhead back to **0** and bring your text into the centre (or wherever you want to put it). Hit **Record Animation** again and, in the **Element Inspector**, change the opacity to **0**. Drag the playhead up to the end of your animation and change the opacity to **100**. Hit [Space] and you'll see your text fades in. But we want to scale, spin and fade it. So at **0** on the timeline, scale down your text. Then, using the **Metrics Inspector**, rotate the angle of it on the Z Axis. At the end of your animation, scale and rotate again – this is how your text will finish. Note: any transformation you make will be recorded while the **Record Animation** option is selected.



### QUICK TIP

Add interactivity to your animation by using the **Mouse Action Inspector**. With it you can: point to a URL; specify to play a different *Hype* scene; and run a different timeline or run JavaScript. Note that no hover events will work on iOS.

# Boost open and save options

Discover how Default Folder X can help you work faster and smarter

## >> KEY INFO

**DIFFICULTY**
Intermediate

**TIME NEEDED**
30 minutes

**WHAT YOU'LL NEED**
Mac OS X 10.5 or later, Default Folder X (30-day trial available from http://bit.ly/macdefaultfolderx)

The windows that pop up when you choose to open or save something on your Mac are perfectly good at what they do. But you can improve them a lot by installing and setting up *Default Folder X*. This is a little add-on app that costs £25, but you can try it for free for 30 days to see if you like it. It does a number of things and we're going to show you its key features and how to make the most of them.

Get *Default Folder X* by going to **http://bit.ly/macdefaultfolderx** and clicking **Download** on the right-hand side. When it's downloaded, double-click the DMG file that appears in your **Downloads** folder (to find it, click the *Finder* icon in your Dock, then click Go > Downloads). A disk will appear on your desktop – open this and double-click the installer, which will guide you through the process. If you're prompted, we recommend you choose to install it for all users on your Mac, so that anyone else who uses your machine can take advantage of it as well. As soon as it's installed, it's ready to use, so there's no need to restart it.

*Default Folder X*'s icon appears in your Dock as well as in your menu bar, and it also has its own pane in *System Preferences*, where you control it. One thing to be aware of is that while there's an option to get at its preferences via the Dock or menu bar items, clicking these seems to make *System Preferences* hang. So to get at the settings screens, you need to open *System Preferences* manually, via the  menu, and click **Default Folder X** at the bottom.

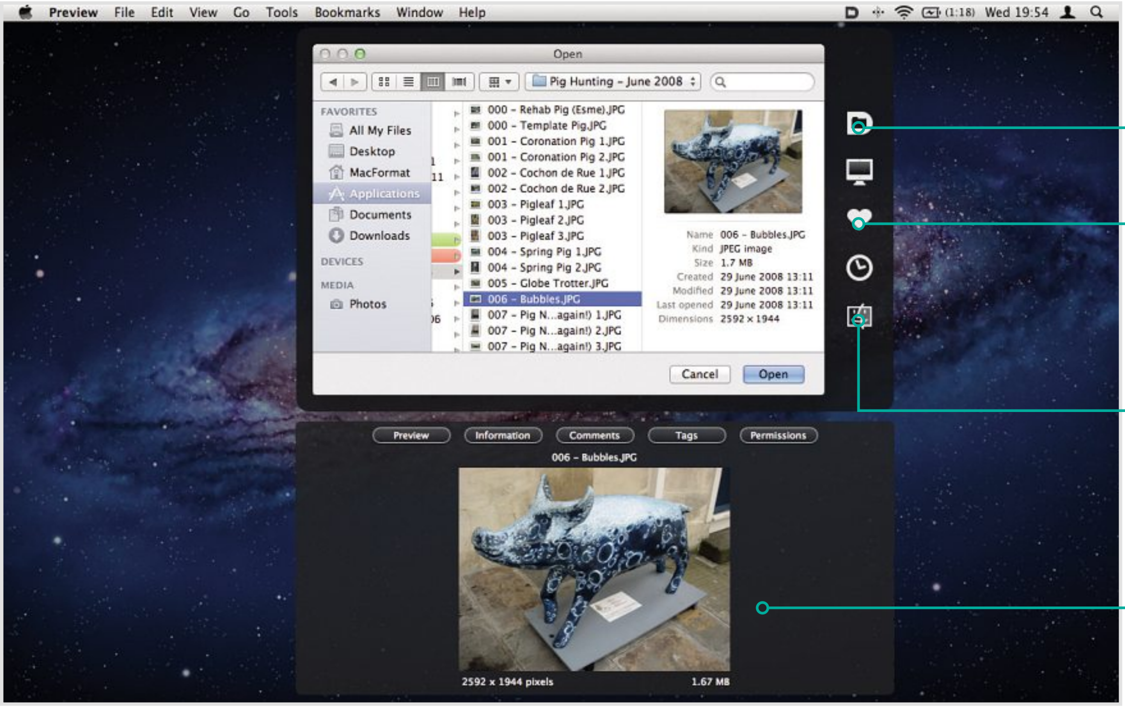
> *"Choose a folder to appear in Open and Save windows – make this app-specific or system-wide"*

The application enables you to choose a particular folder on your Mac to appear in the **Open** or **Save** windows – this can be app-specific or system-wide. So, for example, if you like to save all your *Pages* files in one place, and your *Numbers* spreadsheets somewhere else, you can set a different folder for each. That way, when you come to save something in each app, you save time by not having to browse around to find the correct folder.

It also lets you add favourite folders, which appear in a pop-up menu alongside every **Open** or **Save** window; you can even create keyboard shortcuts for these. We'll look at how to set up these features and more on the opposite page.

**Laurence Cable**

## >> QUICK LOOK / Default Folder X overlay


Preview
File
Edit
View
Go
Tools
Bookmarks
Window
Help
Wed 19:54
Open
Pig Hunting – June 2008
FAVORITES
All My Files
Desktop
MacFormat
Applications
Documents
Downloads
DEVICES
MEDIA
Photos
000 – Rehab Pig (Esme).JPG
000 – Template Pig.JPG
001 – Coronation Pig 1.JPG
001 – Coronation Pig 2.JPG
002 – Cochon de Rue 1.JPG
002 – Cochon de Rue 2.JPG
003 – Pigleaf 1.JPG
003 – Pigleaf 2.JPG
003 – Pigleaf 3.JPG
004 – Spring Pig 1.JPG
004 – Spring Pig 2.JPG
005 – Globe Trotter.JPG
006 – Bubbles.JPG
007 – Pig N...again!) 1.JPG
007 – Pig N...again!) 2.JPG
007 – Pig N...again!) 3.JPG
Name 006 – Bubbles.JPG
Kind JPEG image
Size 1.7 MB
Created 29 June 2008 13:11
Modified 29 June 2008 13:11
Last opened 29 June 2008 13:11
Dimensions 2592 × 1944
Cancel
Open
Preview
Information
Comments
Tags
Permissions
006 – Bubbles.JPG
2592 x 1944 pixels
1.67 MB

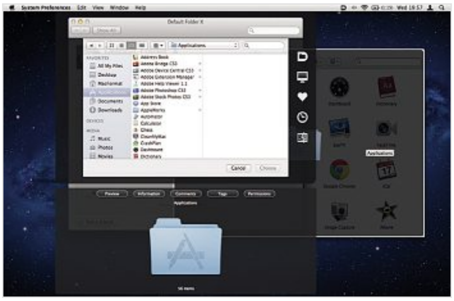
**Added options**
Rename folders, compress them, get extra information and much more.

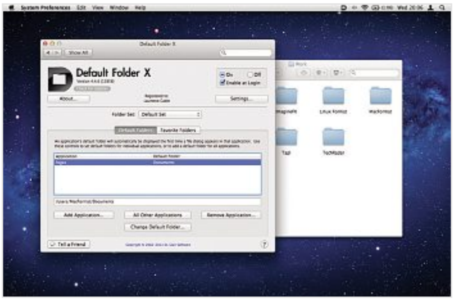
**Favourite folders**
Quick access to often-used folders; add a folder to the list.

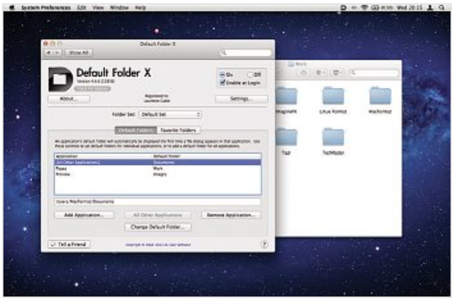
**Finder windows**
Jump to an open *Finder* window, or click one in the background.

**Info pane**
Get a file preview, read comments and permissions details.

## HOW TO / Add your default folders







### 01 Open Preferences

Click the Dock *Finder* icon. Choose Go > Applications. Open *System Preferences*, click *Default Folder X* and check it's **On**, top-right. Click **Default Folders**, then **Add Application…**, mouse over the **Applications** folder and click.

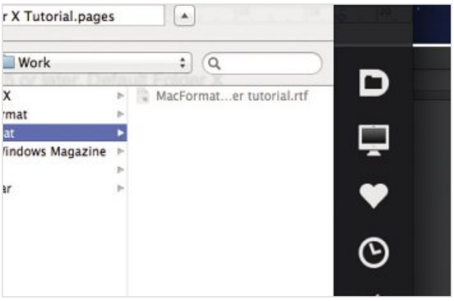
### 02 Choose your app

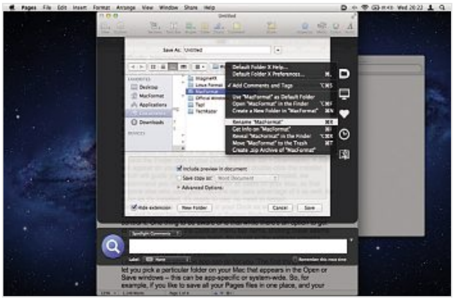
Browse the list of apps. To change where, say, *Pages* saves its files, click *Pages*, then **Choose**: it appears in the list. Find the folder to save *Pages* files to, and open it. Then click back into the *Default Folder X* **Preferences**.

### 03 Select its default folder

Click **Pages** in the list, followed by **Change Default Folder…** Again, mouse over the folder that you just opened and click it. Then click **Choose**. This folder will now always appear in *Pages'* **Open** or **Save** windows. ●

## HOW TO / Do more with Open and Save



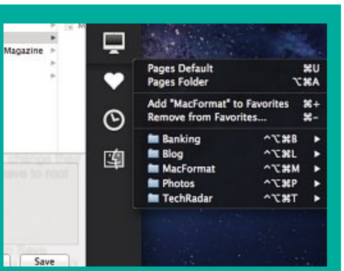


### 01 Save to any open window

Jumping straight to a folder in an **Open** or **Save** window is useful. If the window you want isn't open, click the *Finder* icon in the Dock, open the folder you want, then click back into the app you were using to save the file.

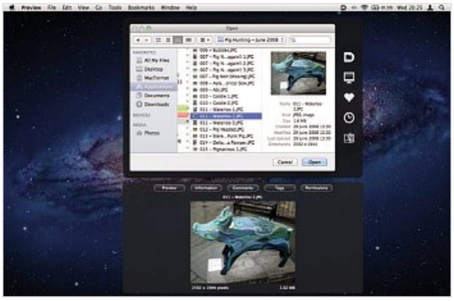
### 02 Rename the folder

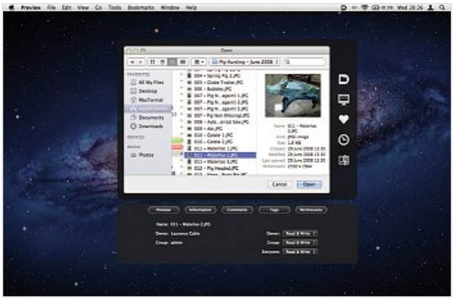
If you're opening or saving a file and want to rename the folder it's in, you can do it from the **Open**/**Save** window. Click the **Added Options** button (see left) and choose **Rename**. Type in your new name and click **OK**.

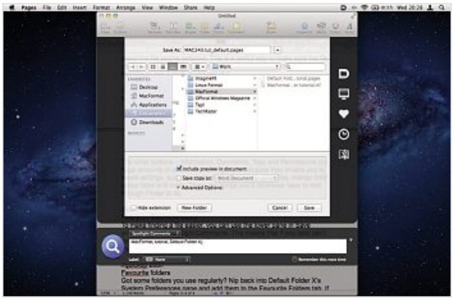


### QUICK TIP

Got folders you use regularly? Nip back into *Default Folder X's System Preferences* pane and add them to the **Favourite Folders** tab. Or add a keyboard hotkey to press in **Open**/**Save** windows to jump to them.







### 03 File info

You'll see another pane appear below the **Open**/**Save** window. This gives you details on the file you've selected. This is a useful way to make sure the file you're about to open is the correct one. Select a file and click **Preview**.

### 04 More details

The other buttons – **Information**, **Comments**, **Tags** and **Permissions** – enable you to tweak a bunch of settings, such as who's allowed to see or alter files, change their colour label and more. Who needs a *Finder* window?

### 05 Find files more easily

To make finding a file easier, use the lower pane in **Save** windows to add **Spotlight Comments**. If you can't remember what you called a file or where it was saved, type these keywords into Spotlight to find it. ●

# Use Firefox 8's new features

## The latest version of Mozilla's popular web browser offers added functionality

### >> KEY INFO

**DIFFICULTY**
Beginner

**TIME NEEDED**
15 minutes

**WHAT YOU'LL NEED**
A Mac running OS X 10.5 or later, Firefox 8

Late last year, Mozilla released *Firefox 8*, a new version of its cross-platform web browser. Although most Mac users are happy with Apple's own *Safari*, *Firefox* is an excellent alternative and it's always worth installing a second in case you come across a web page that doesn't play nicely with your browser of choice. *Firefox 8* is free to download from http://bit.ly/sJOT6B.

New versions of Mozilla's browser are arriving at an insane speed. At the start of the year *Firefox 3* was the current version, and yet by Christmas we were already on *Firefox 8*. You'd hardly expect massive changes between one version and the next. But *Firefox 8* offers a handful of interesting new features and improvements.

### Tweet search

Twitter has been added to the search field, allowing you to search the Twitter website directly from the browser toolbar. On launch you're invited to cull your add-ons to cut down on bloat, keeping only those you still use. Add-ons that were automatically installed by third-party applications are disabled by default, and you can deactivate ones you added yourself too.

In this tutorial, we take a look at *FireFox 8*'s new features, and show what they can do to enhance your web browsing.

**Ian Osborne**

## >> QUICK LOOK / Find your way around the browser window

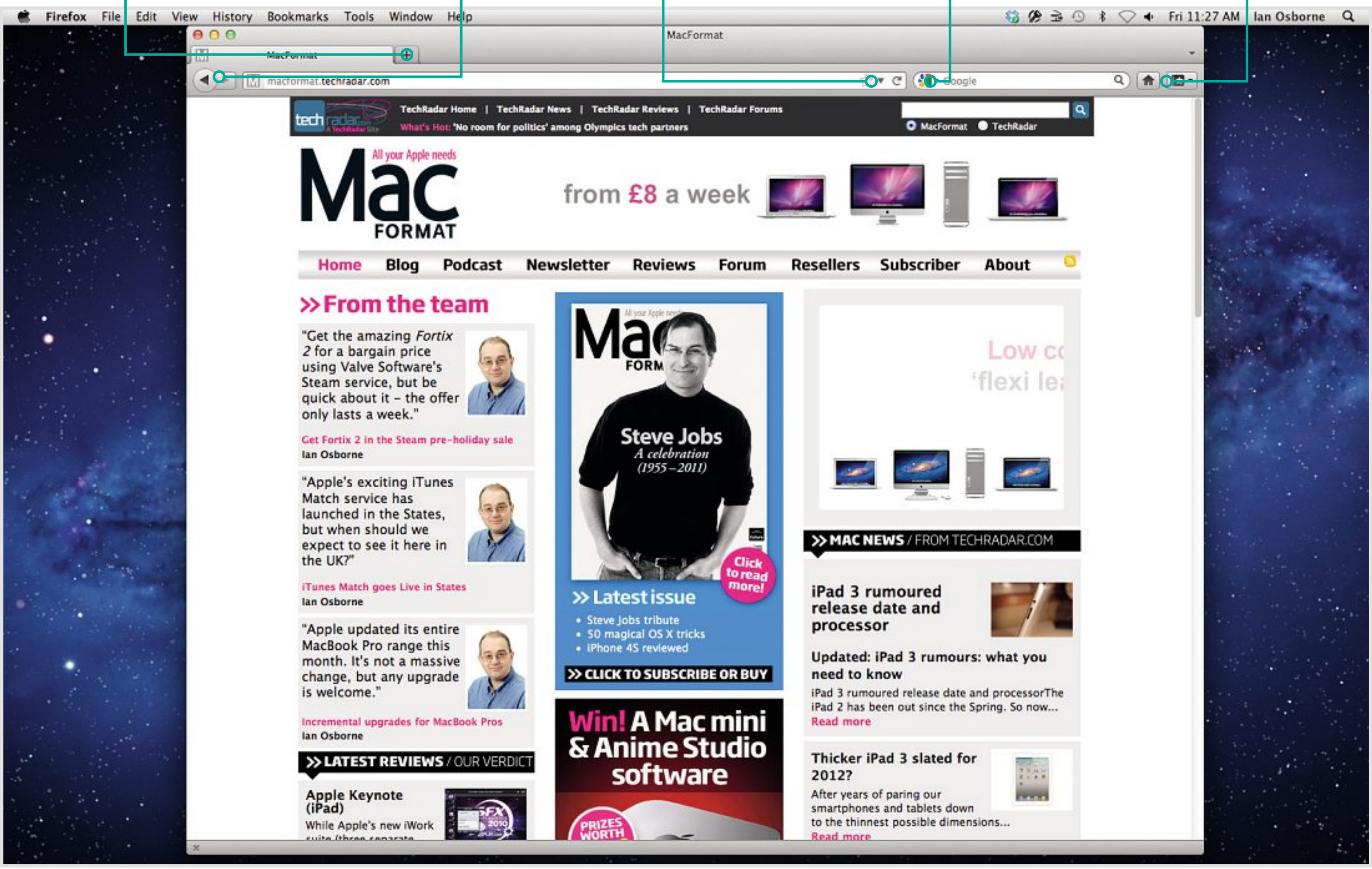
**Add tabs**
Press the '+' symbol to add a tab to the browser for more windows.

**Back and forth**
These buttons take you through your browsing history.

**Search field**
Click the triangle for a list of available search engine options.

**Page tools**
Bookmark a page, reload it or stop a load using these tools.

**More controls**
These buttons give access to your home page and bookmarks.


Firefox
File
Edit
View
History
Bookmarks
Tools
Window
Help
Fri 11:27 AM
Ian Osborne
MacFormat
macformat.techradar.com
Google
TechRadar Home | TechRadar News | TechRadar Reviews | TechRadar Forums
MacFormat
TechRadar
All your Apple needs
Mac FORMAT
from £8 a week
Home
Blog
Podcast
Newsletter
Reviews
Forum
Resellers
Subscriber
About
Steve Jobs
A celebration
(1955–2011)
Click to read more!
>> Latest issue
Steve Jobs tribute
50 magical OS X tricks
iPhone 4S reviewed
>> CLICK TO SUBSCRIBE OR BUY
Win! A Mac mini & Anime Studio software
PRIZES WORTH
Low c
'flexi le
>> MAC NEWS / FROM TECHRADAR.COM
>> LATEST REVIEWS / OUR VERDICT

What's Hot: 'No room for politics' among Olympics tech partners

>> From the team

"Get the amazing *Fortix 2* for a bargain price using Valve Software's Steam service, but be quick about it – the offer only lasts a week."
Get Fortix 2 in the Steam pre-holiday sale
Ian Osborne

"Apple's exciting iTunes Match service has launched in the States, but when should we expect to see it here in the UK?"
iTunes Match goes Live in States
Ian Osborne

"Apple updated its entire MacBook Pro range this month. It's not a massive change, but any upgrade is welcome."
Incremental upgrades for MacBook Pros
Ian Osborne

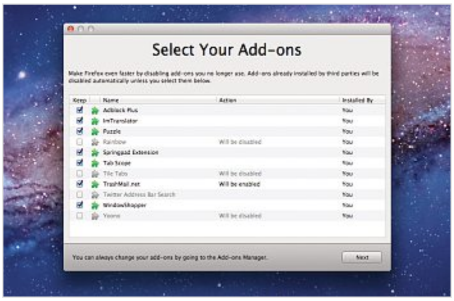
Apple Keynote (iPad)
While Apple's new iWork

iPad 3 rumoured release date and processor

Updated: iPad 3 rumours: what you need to know
iPad 3 rumoured release date and processorThe iPad 2 has been out since the Spring. So now...
Read more

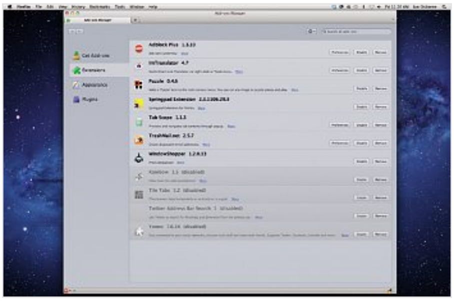
Thicker iPad 3 slated for 2012?
After years of paring our smartphones and tablets down to the thinnest possible dimensions...
Read more

# HOW TO / Use the new features in Firefox


Select Your Add-ons
Next

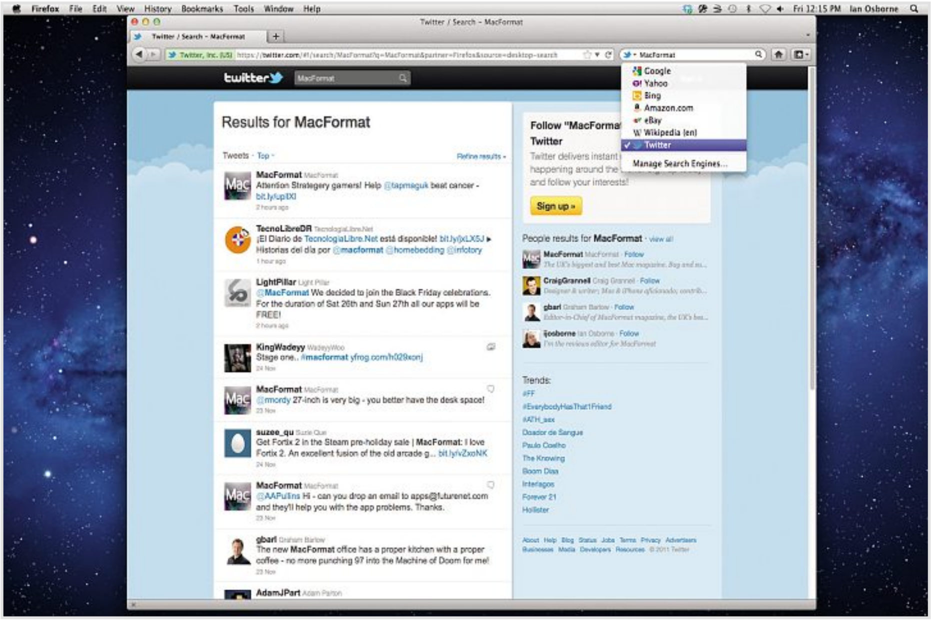
## 01 Disabling add-ons

Add-ons are one of *Firefox's* best features, but over time, they can clog up your browser, making it slow and messy. Third-party software can install them without your permission too. When you first start *Firefox 8*, you're invited to disable those you don't need.



## 02 Re-enabling add-ons

Like before, you can navigate to Tools > Add-ons or press ⇧+⌘+A to manage add-ons, and re-enable or remove those you disabled when you first launched *Firefox 8*. Other options let you download more add-ons, manage plug-ins or change the appearance.


Twitter / Search – MacFormat
Google
Yahoo
Bing
Amazon.com
eBay
Wikipedia (en)
Twitter
Manage Search Engines...
Results for MacFormat
Follow "MacFormat" on Twitter
Sign up »
Trends:

MacFormat: Attention Strategery gamers! Help @tapmaguk beat cancer - bit.ly/upIXl

TecnoLibreDR: ¡El Diario de TecnologiaLibre.Net está disponible! bit.ly/xLX5J ▸ Historias del día por @macformat @homebedding @infotory

LightPillar: @MacFormat We decided to join the Black Friday celebrations. For the duration of Sat 26th and Sun 27th all our apps will be FREE!

KingWadeyy: Stage one.. #macformat yfrog.com/h029xonj

MacFormat: @rmordy 27-inch is very big - you better have the desk space!

suzee_qu: Get Fortix 2 in the Steam pre-holiday sale | MacFormat: I love Fortix 2. An excellent fusion of the old arcade g... bit.ly/vZxoNK

MacFormat: @AAPullins Hi - can you drop an email to apps@futurenet.com and they'll help you with the app problems. Thanks.

gbarl: The new MacFormat office has a proper kitchen with a proper coffee - no more punching 97 into the Machine of Doom for me!

Adobe® Flash® Player 11 Installer
QUIT
INSTALL

☑ I have read and agree to the terms of the Flash Player License Agreement. Read the license here.

## QUICK TIP

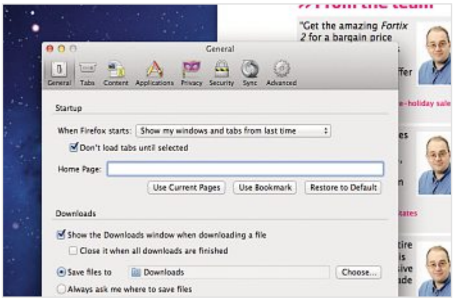
After updating your *Firefox* browser, it's a good idea to make sure you're using the latest version of the Adobe Flash Player plug-in. Go to **http://get.adobe.com/flashplayer** and download the installer, which updates *Safari* and *Chrome* as well as *Firefox*.

## 06 Twitter searches

*Firefox 8* adds Twitter to the list of search engines available within the browser. Click on the symbol in the left-hand side of the search field, and select Twitter from the pull-down menu. You can now use your browser's search field to perform a search using the Twitter website. It's a great way of finding new #hashtags and @usernames without having to open the Twitter URL first. Twitter searching is currently available in the English, Portuguese, Slovenian and Japanese versions of Firefox, with more languages to come in future releases. To keep Twitter – or any other website – open, right-click the tab and select **Pin as App Tab** to set it as a mini-tab on the left of the tab strip. ●

## 03 Reloading last session

*Firefox* has long allowed you to reopen windows and tabs from the last session on launch; open **Preferences** (under the **Firefox** menu), select **General** and use the **When Firefox starts** pull-down. Quit and relaunch, and all previously open pages are reopened.


General
General
Tabs
Content
Applications
Privacy
Security
Sync
Advanced
Startup
Home Page:
Use Current Pages
Use Bookmark
Restore to Default
Downloads
Choose...

When Firefox starts: Show my windows and tabs from last time
☑ Don't load tabs until selected
☑ Show the Downloads window when downloading a file
☐ Close it when all downloads are finished
● Save files to Downloads
○ Always ask me where to save files

## 04 Tabs on Demand

Because reopening all tabs at the same time can be slow, there's a new **Tabs on Demand** option. Tick the **Don't Load Tabs Until Selected** box under the pull-down described in step 3, and tabs from your last session are only reloaded when you select them.

## 05 WebGL

An under-the-hood security feature added for *FireFox 8* is cross-origin resource sharing (CORS) for WebGL, which allows the browser to securely load textures. The browser has supported WebGL since *Firefox 4*, and lets programmers use 3D graphics without a plug-in.

# Get started with Apple Mail

Learn the basics of using Lion's revamped email client easily and efficiently

**>> KEY INFO**

**DIFFICULTY**
Beginner

**TIME NEEDED**
15 minutes

**WHAT YOU'LL NEED**
OS X 10.7 Lion

Despite the popularity of social networks, no computer is complete without a great email app to help you keep in touch with friends and loved ones. It's no surprise, then, that all Macs come with Apple's *Mail* program built into OS X. It makes it easy to set up your email account and browse and sort your messages, as well as write emails to others.

You'll need to have an email account. And for many email types, including Yahoo!, AOL, Gmail and Windows Live/Hotmail, *Mail* can set up your account using just your email address and password. You can set up other kinds of accounts, but you may need to know the details of your incoming and outgoing servers, which your provider should be able to supply you with.

Once your account is set up, you'll see the *Mail* interface, with a list of emails on the left, and a preview box on the right. There's a **Show** button just above the messages list that enables you to see your list of account inboxes, which is handy if you have more than one set up, have created multiple mailboxes, or if you want to browse messages you've deleted from your inbox.

From the toolbar along the top of the *Mail* window, you can check for new messages, compose a new email, create a new note, delete emails, mark emails as junk mail, forward and reply to messages, and flag emails for your attention later.

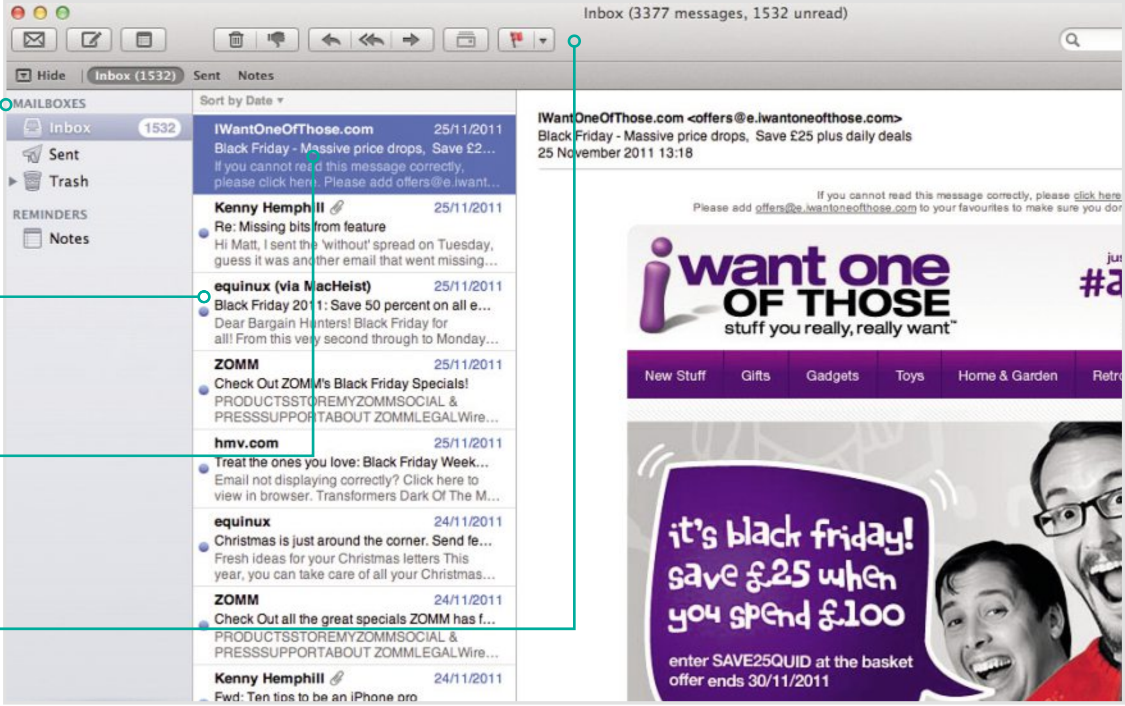
> *"Set up Rules to have incoming messages sorted into different inboxes depending on the sender"*

There's also a search bar here, which enables you to find text anywhere in any of your emails, so you can easily search for its subject, or the person who sent it, for example.

In this walkthrough, we'll talk you through the basics of using the *Mail* app, including getting set up, reading your emails and writing messages, but once you're more confident with *Mail*, you can do a lot more. For example, you can set up Rules such as having incoming messages sorted into different inboxes depending on the sender, you can change the default font and size that messages are displayed in, and create multiple email signatures. Of course, if all you want to do is send and receive the occasional hello from family members, you can stick with just the steps on the opposite page and enjoy the full email experience.

**Matthew Bolton**

## >> HOW TO / Find your way around Apple Mail



**IWantOneOfThose.com** 25/11/2011
Black Friday - Massive price drops, Save £2...
If you cannot read this message correctly, please click here. Please add offers@e.iwant...

**Kenny Hemphill** 25/11/2011
Re: Missing bits from feature
Hi Matt, I sent the 'without' spread on Tuesday, guess it was another email that went missing...

**equinux (via MacHeist)** 25/11/2011
Black Friday 2011: Save 50 percent on all e...
Dear Bargain Hunters! Black Friday for all! From this very second through to Monday...

**ZOMM** 25/11/2011
Check Out ZOMM's Black Friday Specials!
PRODUCTSSTOREMYZOMMSOCIAL & PRESSSUPPORTABOUT ZOMMLEGALWire...

**hmv.com** 25/11/2011
Treat the ones you love: Black Friday Week...
Email not displaying correctly? Click here to view in browser. Transformers Dark Of The M...

**equinux** 24/11/2011
Christmas is just around the corner. Send fe...
Fresh ideas for your Christmas letters This year, you can take care of all your Christmas...

**ZOMM** 24/11/2011
Check Out all the great specials ZOMM has f...
PRODUCTSSTOREMYZOMMSOCIAL & PRESSSUPPORTABOUT ZOMMLEGALWire...

**Kenny Hemphill** 24/11/2011
Fwd: Ten tips to be an iPhone pro

**IWantOneOfThose.com <offers@e.iwantoneofthose.com>**
Black Friday - Massive price drops, Save £25 plus daily deals
25 November 2011 13:18

If you cannot read this message correctly, please click here
Please add offers@e.iwantoneofthose.com to your favourites to make sure you do

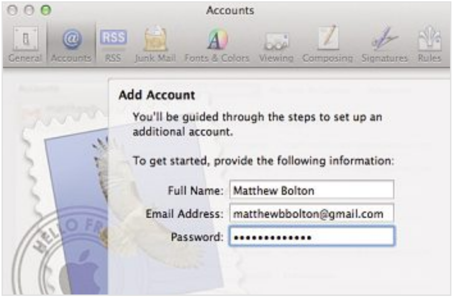
**Mailboxes**
The Mailboxes pane lets you browse multiple inboxes and view your folders.

**Inbox**
Here you'll find your messages. New ones appear with a blue dot.

**Selected**
Click on a message and it opens. Photos are also displayed.

**Toolbar**
Check for messages, create and delete emails and more.

## HOW TO / Get to grips with features in Apple Mail


Accounts
General
Accounts
RSS
Junk Mail
Fonts & Colors
Viewing
Composing
Signatures
Rules

**Add Account**

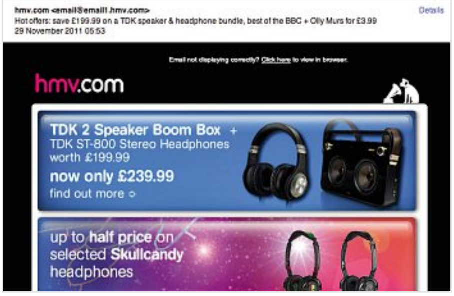
You'll be guided through the steps to set up an additional account.

To get started, provide the following information:

Full Name: Matthew Bolton
Email Address: matthewbbolton@gmail.com
Password: ••••••••••••••

### 01 Set up your account

When you first open *Mail*, or when you add a new account, it will ask for your name, email address and password. For many types of email, this is all you'll need to enter, but if *Mail* is unable to find the information it needs automatically, it'll ask you for more details.

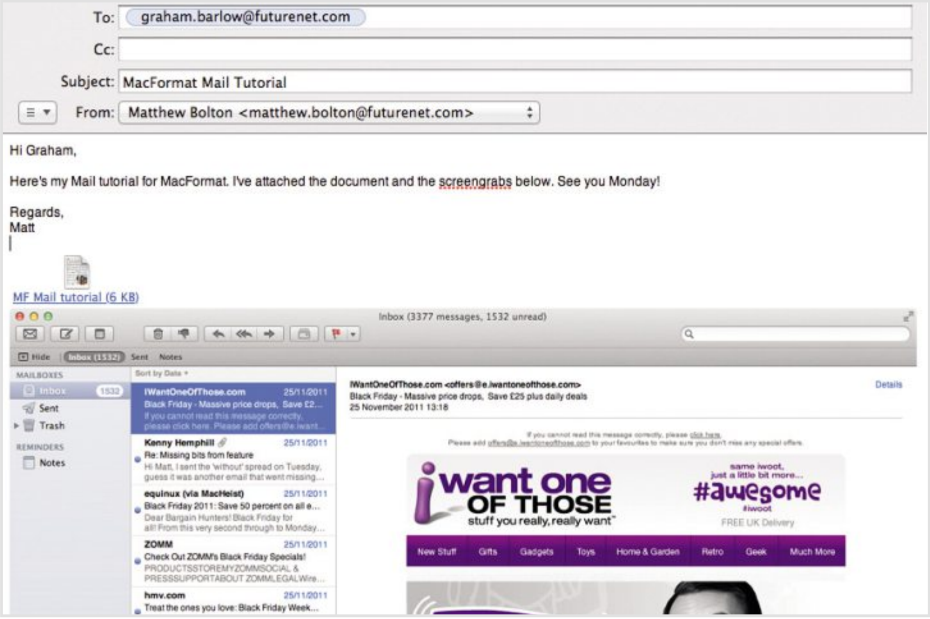

hmv.com <email@emailI.hmv.com>
Hot offers: save £199.99 on a TDK speaker & headphone bundle, best of the BBC + Olly Murs for £3.99
29 November 2011 05:53

Email not displaying correctly? Click here to view in browser.

Details
hmv.com
TDK 2 Speaker Boom Box +
TDK ST-800 Stereo Headphones
worth £199.99
now only £239.99
find out more
up to half price on
selected Skullcandy
headphones

### 02 Read a message

With your account set up, and email flooding in, select one in the left-hand inbox list to display it in the window to the right. Or, you can double-click on an email to open it in a new window. From here, you can click the arrow buttons at the top to reply or forward emails.


To: graham.barlow@futurenet.com
Cc:
Subject: MacFormat Mail Tutorial
From: Matthew Bolton <matthew.bolton@futurenet.com>

Hi Graham,

Here's my Mail tutorial for MacFormat. I've attached the document and the screengrabs below. See you Monday!

Regards,
Matt

MF Mail tutorial (6 KB)

Inbox (3377 messages, 1532 unread)

IWantOneOfThose.com 25/11/2011
Black Friday - Massive price drops, Save £2...
If you cannot read this message correctly, please click here. Please add offers@e.iwant...

Kenny Hemphill 25/11/2011
Re: Missing bits from feature
Hi Matt, I sent the 'without' spread on Tuesday, guess it was another email that went missing...

equinux (via MacHeist) 25/11/2011
Black Friday 2011: Save 50 percent on all e...
Dear Bargain Hunters! Black Friday for all! From this very second through to Monday...

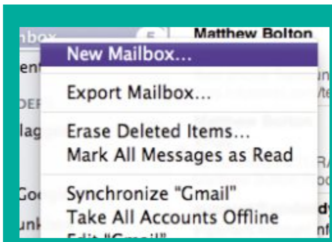
ZOMM 25/11/2011
Check Out ZOMM's Black Friday Specials!
PRODUCTSSTOREMYZOMMSOCIAL & PRESSSUPPORTABOUT ZOMMLEGALWire...

hmv.com 25/11/2011
Treat the ones you love: Black Friday Week...

IWantOneOfThose.com <offers@e.iwantoneofthose.com>
Black Friday - Massive price drops, Save £25 plus daily deals
25 November 2011 13:18

If you cannot read this message correctly, please click here.
Please add offers@e.iwantoneofthose.com to your favourites to make sure you don't miss any special offers.

Hide
Inbox (1532)
Sent
Notes
MAILBOXES
Inbox
1532
Sent
Trash
REMINDERS
Notes
Sort by Date
Details
i want one OF THOSE
stuff you really, really want
same iwoot, just a little bit more...
#awesome
#iwoot
FREE UK Delivery
New Stuff
Gifts
Gadgets
Toys
Home & Garden
Retro
Geek
Much More

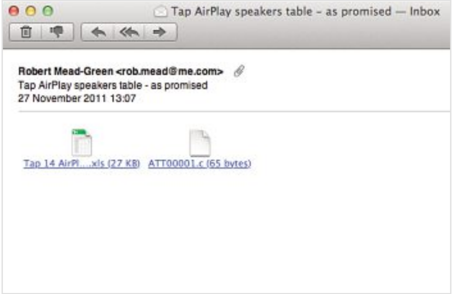

Matthew Bolton
New Mailbox...
Export Mailbox...
Erase Deleted Items...
Mark All Messages as Read
Synchronize "Gmail"
Take All Accounts Offline

### QUICK TIP

If you open the Mailboxes pane and right-click your inbox, you can create a new mailbox. Name it, and choose to locate it on your Mac. You'll see a new folder in the pane. You can use this folder (and more) to organise your messages, and store them.

### 06 Compose a message

Click the paper-and-pencil icon to create a new message. In the **To** field, you can enter the email address of your recipient. If they're stored in your *Address Book*, you don't need to type out their email address in full – start typing their name, and *Mail* will offer their email address. Add a subject line and type a message in the blank space below that. To attach a file, click the paperclip icon at the top of the windows and browse to the file you want. Clicking the icon that looks like a mountain will open a photo browser, so you can insert a photo from your *iPhoto* library. To the right of this icon is a button to open the stationery pane, which enables you to send colourful emails. ●


Tap AirPlay speakers table – as promised — Inbox

Robert Mead-Green <rob.mead@me.com>
Tap AirPlay speakers table - as promised
27 November 2011 13:07

Tap 14 AirPl....xls (27 KB) ATT00001.c (65 bytes)

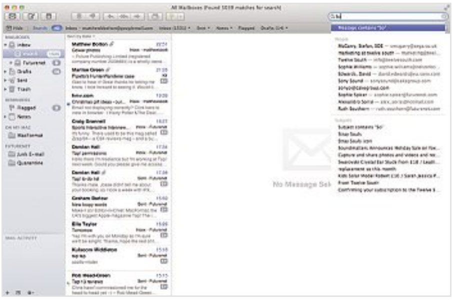
### 03 File attachments

If an email sent to you has an attachment, you'll see a paperclip next to the sender's name. A file icon will be displayed beneath the email text. You can click a file's name to open it, open it with Quick Look for a brief check, and save it by right-clicking.

Cover photos — Inbox

### 04 Photo attachments

Attachments, such as photos and PDF files, are handled slightly differently. They are displayed in full under the email's text. Again, they can be opened or saved, and if there are several photos, you can view them in a slideshow with Quick Look.


No Message Selected

### 05 Search through emails

In the top-right of the *Mail* window is the search box. *Mail* will search all emails for anything you type in here. Results appear in the inbox pane, and below the search box. You can use this list to search for emails from certain people, or by subject line, for example.

Status: Connected

Wi-Fi is connected to WiFi and has the IP address 192.168.0.22.

Location: Automatic

AirPort Express Name: My Wi-Fi Network

☑ Remember this password in my keychain

☑ Show Wi-Fi status

System Preferences
Edit
View
Window
Help
Mon 13:39
Network
Show All
Ethernet
Connected
Wi-Fi
Connected
FireWire
Not Connected
iPhone USB
Not Connected
Bluetooth PAN
Not Connected
Turn Wi-Fi Off
Network Name
WiFi
001601E60033
B office
NETGEAR
PLANETNUMBERS
SCL
SDLBOFF
SLProductions
South Coast Accountants Limited
Team-23
Thomson3214AC
TT
WiFi Zone - The Cloud
Join Other Network...
Create Network...
AirPort Utility - Kitchen09
AirPort
Internet
Music
Printers
Advanced
Setting Name
Find a setting
Summary
Base Station
Wireless
My-Wi-Fi-Network.local
Edit...
time.apple.com
Europe/London
the Internet using Bonjour
Options...
Revert
Update
Utilities
Name AirPort Utility
Kind Application
Size 32 MB
Created 24 May 2011 18:48
Modified 24 May 2011 18:48
Last opened 24 May 2011 18:48
Version 5.5.3
MacBook Air

Set up a Wi-Fi network and even share a printer over it.

# Set up a Wi-Fi network

## Modernise your Mac setup with Wi-Fi for internet access and printing

**>> KEY INFO**

**DIFFICULTY**
Beginner

**TIME NEEDED**
10 minutes

**WHAT YOU'LL NEED**
Internet, printer, wireless router or AirPort Base Station

Ten or so years ago, the idea of connecting to the internet via any other route than a direct cabled connection to your Mac was a rarity. Most of us struggled with horrid wires to and from a modem or router connected to the phone socket, and were limited by the length of those wires. Now, Wi-Fi is far more commonplace and available as standard for not only computers but phones, speaker systems and even printers. If you're not already using Wi-Fi, you're missing out on a world of flexible computing as well as a major reduction in messy wires across your desk.

There are two main setups when connecting to the web via Wi-Fi, and you'll need to be using one of them to follow this tutorial. The first is to use a router with Wi-Fi capabilities. This will mean that the box that receives the internet connection from your phone socket also shares it across your home as a Wi-Fi signal. Check the documentation for your router to see it has this facility and, if so, set it up to transmit a Wi-Fi signal according to the instructions. If your router isn't Wi-Fi enabled, you'll need to head down the second route, connecting your router or modem to an Apple AirPort base station. There are other base station options, but an Apple-to-Apple device connection is often the simplest.

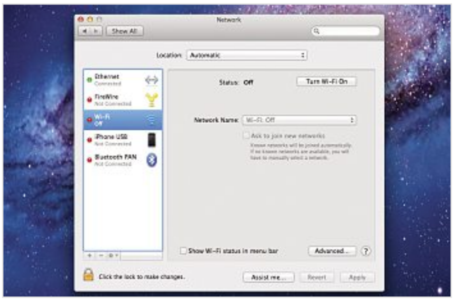
> *"If you're not already using Wi-Fi, you're missing out on a world of flexible computing unhindered by wires"*

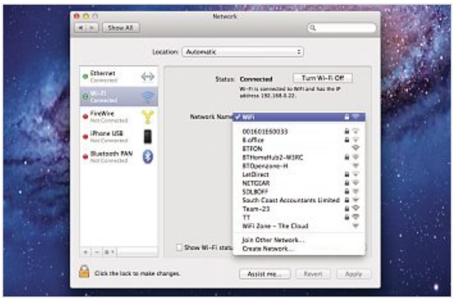
Connecting your modem to an AirPort Express or AirPort Extreme Base Station will, when correctly configured, share the connection from your modem with any other devices that can connect to the network it creates. In most cases, all you need to do is to plug in an AirPort base station to your router or modem and you're good to go. If you encounter any problems, however, check the product's documentation.

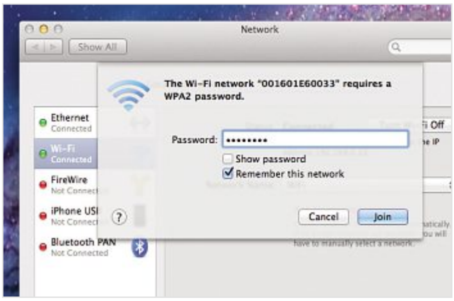
Now let's rid your house of a few of those unsightly wires...

**Ben Harvell**

## HOW TO / Set up and connect to a Wi-Fi network






The Wi-Fi network "001601E60033" requires a WPA2 password.

Password: ••••••••

☐ Show password

☑ Remember this network

### 01 Turn Wi-Fi on

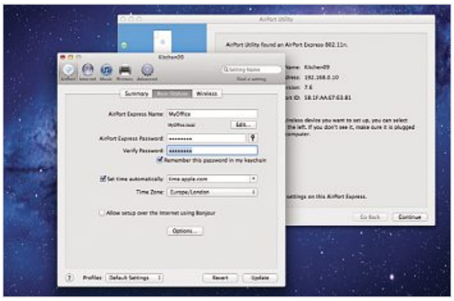
To begin using Wi-Fi you need to first activate it on your Mac. To do this, head to *System Preferences* and click the **Network** icon. From the pane on the left of the screen that appears, click on **Wi-Fi** and if it isn't on already, click the **Turn Wi-Fi On** button.

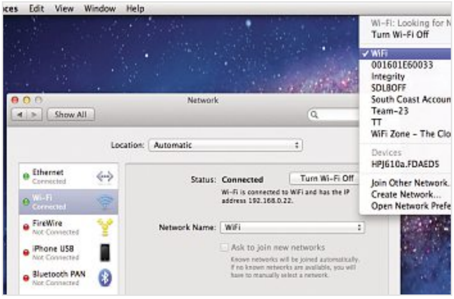
### 02 Select a network

When you set up your router or base station you should have seen its network name. On most routers it's printed on the back or underside of the device. From the *System Preferences* **Network** screen, select the name from the **Network Name** drop-down menu.

### 03 Password protection

Your wireless router will likely use a password for access to it. If not, you should set one up. This should also be printed somewhere on the device. If you're asked for the password, enter it into the box and click the **Join** button to connect to the network.



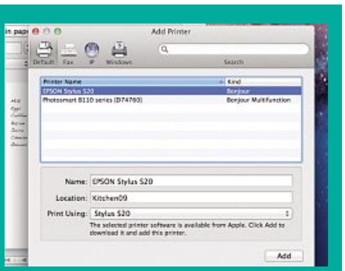


### 04 Setting passwords

If you don't have a password set on your AirPort base station, head to your **Applications** folder and in the **Utilities** subfolder launch *AirPort Utility*. Select your AirPort device from the left-hand pane and click **Manual Setup**. Now set a password from the **Base Station** tab.

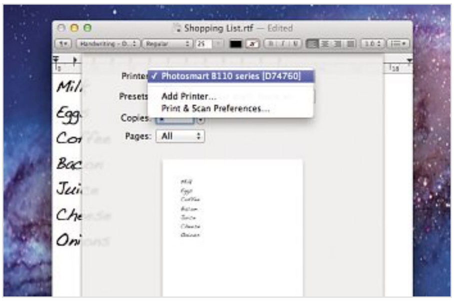
### 05 Quick access

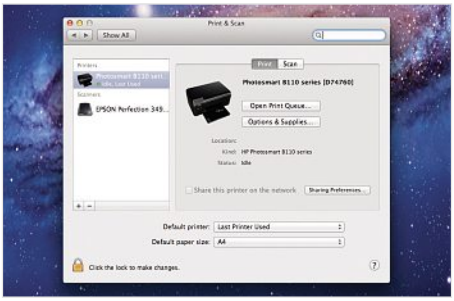
Check the **Show Wi-Fi status in menu bar** box before clicking the **Apply** button. This lets you quickly check if your Mac is connected to Wi-Fi and also pick new networks from the menu bar. The status will appear as an inverted triangle at the top-right of the screen.

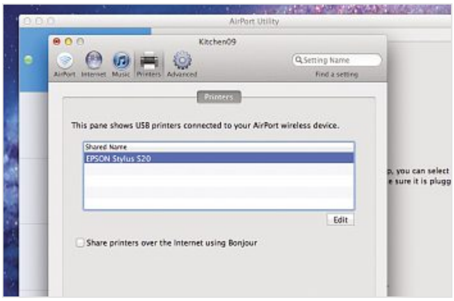


### QUICK TIP

Test your networked printer by printing a document on a Mac connected to that network. You should be able to select your printer from the **Print** dialog drop-down menu. If it's not there, try clicking **Add Printer...** Click **Add** to use it.






This pane shows USB printers connected to your AirPort wireless device.

### 06 Wi-Fi printing

If you have a wireless printer, you'll need to connect it to your new Wi-Fi network by selecting the network name and entering the password on the printer itself. Refer to your printer's manual to learn how to do this. For USB printers, move on to step 7.

### 07 Wired to wireless

AirPort base stations and some routers provide a USB port to connect a printer to the network. It should become visible to computers connected to that network including Macs and iOS devices. Power up your printer and connect it via USB to your base station or router.

### 08 Print checks

To check a printer is connected correctly to an AirPort base station, launch *AirPort Utility* from your Applications > Utilities folder and select your base station from the list on the left. Now click **Manual Setup** and click the **Printers** button to make sure your printer is listed. ●

# Make your Mac easier to use

Streamline OS X to work for you with keyboard shortcuts and quick links

## >> KEY INFO

**DIFFICULTY**
Beginner

**TIME NEEDED**
30 minutes

**WHAT YOU'LL NEED**
OS X 10.7 Lion (although most of these features are available in previous versions of OS X)

When you're new to the Mac, it can seem as if simple tasks require a bit more effort than you expect. For instance, keyboard shortcuts are listed next to common commands in the menu bar, but many have none.

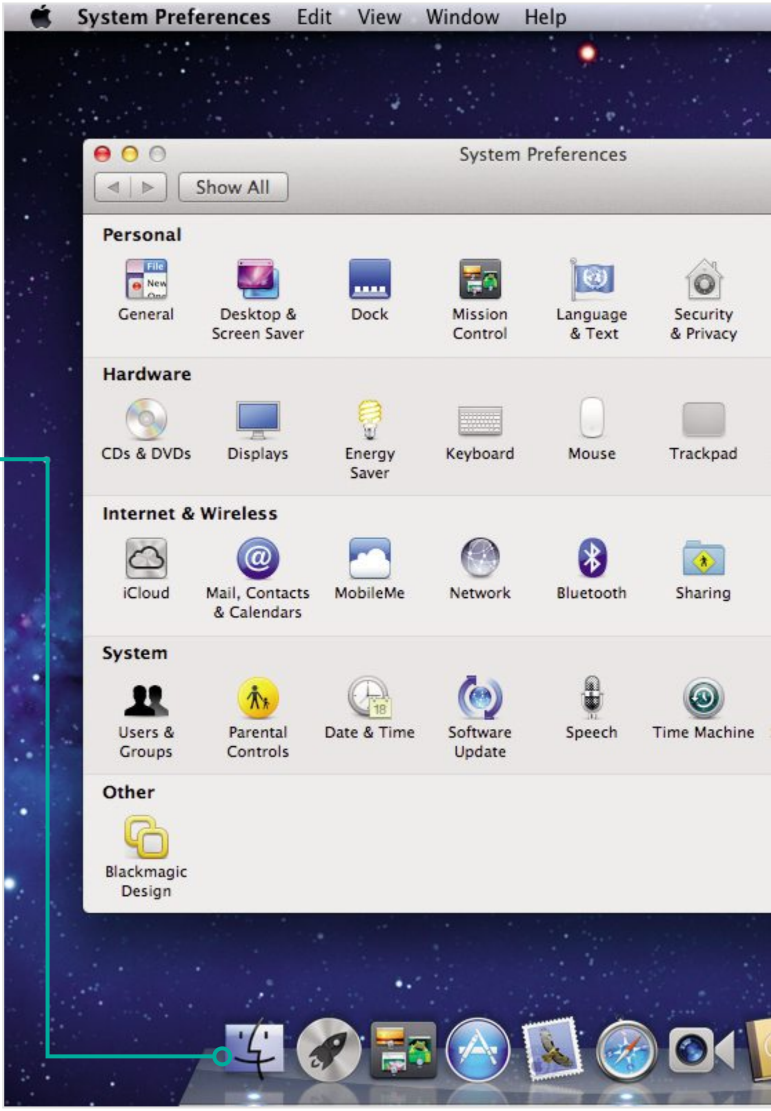
Not knowing how to use shortcuts can slow you down, but don't let that tarnish your impression of the Mac. The key is knowing where to look – usually *System Preferences* in the  menu – or what keys to hold when dragging something. Now let's look closer at tailoring a Mac to your needs. **Alan Stonebridge**

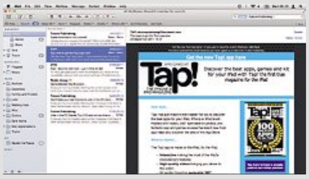
## Apps in the Dock

Apps that are open, and shortcuts to your favourites, sit in the left part of the Dock. Click the *Finder* (this is always situated at the far left of the Dock), then **Applications** in the new window's sidebar. Drag an app onto the Dock for instant access. Drag icons left and right to rearrange them, and upwards to remove a closed app from the Dock. Ensure an app reopens at login by ctrl-clicking it and choose Options > Open at Login.

## Tidy the Dock

Dock icons become smaller when lots of apps are open. Open *System Preferences* and click on **Dock**. One setting minimises windows into their app's icon to reduce the clutter. See what's open by ctrl-clicking that icon and choosing **Show All Windows**. Other settings magnify Dock icons near the pointer, and hide the Dock until the pointer hits the screen edge.


System Preferences
Edit
View
Window
Help
System Preferences
Show All
Personal
General
Desktop & Screen Saver
Dock
Mission Control
Language & Text
Security & Privacy
Hardware
CDs & DVDs
Displays
Energy Saver
Keyboard
Mouse
Trackpad
Internet & Wireless
iCloud
Mail, Contacts & Calendars
MobileMe
Network
Bluetooth
Sharing
System
Users & Groups
Parental Controls
Date & Time
Software Update
Speech
Time Machine
Other
Blackmagic Design



## Mail's layout

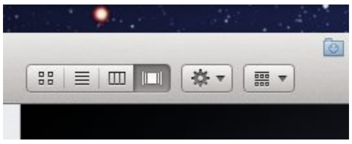
In *Mail*, you can organise emails into folders using View > Show Mailbox List, or Show at the left of the **Favorites Bar**. The list can be tucked away when not needed, or left visible. Alternatively, keep just your most-used folders on show by dragging them from the mailbox list into the **Favorites Bar**. Items in the bar display unread message counts in case you use rules to filter mail.

## The Finder's sidebar

Stacks let you open files, but a *Finder* window is needed for other common tasks. Click its icon and browse to a folder you use often. To save browsing there again, drag it between two items in the sidebar's **Favorites** group. Let go when a line indicates the insertion point. Reorder items by dragging them up and down. Remove them by holding ⌘ and dragging out of the window.

## Autocorrect

OS X Lion's autocorrect feature is similar to the iPhone's. Not every app makes use of it, but *Safari*, *TextEdit* and other Apple apps do. If you find it gets in your way it can be turned off. In *System Preferences*, click **Language & Text**, then the **Text** tab: untick **automatic correction**.

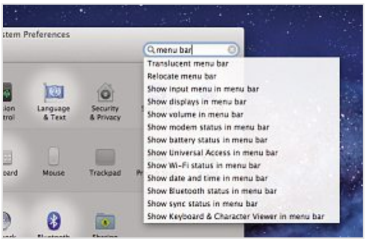


## A different view

Buttons in the toolbar switch between *Finder's* views. **Icon view** is easy on the eyes but shows little detail; **List view** is tailored by ctrl-clicking a column header; **Cover Flow** is a hybrid of the two; and **Column view** aids manual searches by showing what's close by.

## Status check

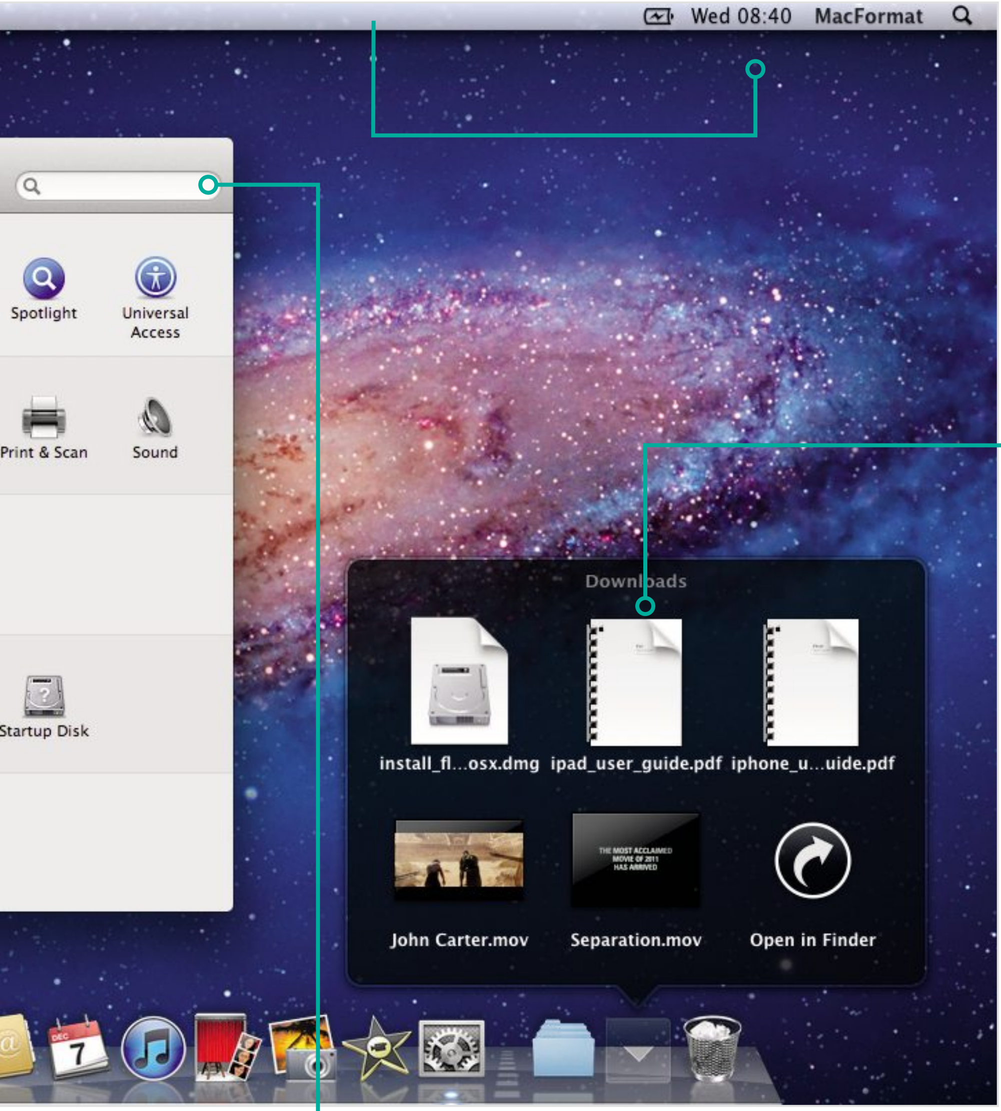
Various features in OS X can display their status at the right of the menu bar. Those icons can provide shortcuts to save opening *System Preferences* to make changes. Type 'menu bar' into *System Preferences'* search bar to see which features offer this. Apple's status items can be rearranged by holding ⌘ and dragging them.



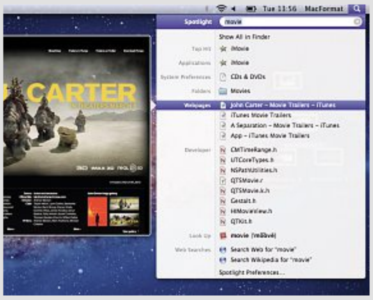
stem Preferences
Language & Text
Security & Privacy
Mouse
Trackpad

menu bar

- Translucent menu bar
- Relocate menu bar
- Show input menu in menu bar
- Show displays in menu bar
- Show volume in menu bar
- Show modem status in menu bar
- Show battery status in menu bar
- Show Universal Access in menu bar
- Show Wi-Fi status in menu bar
- Show date and time in menu bar
- Show Bluetooth status in menu bar
- Show sync status in menu bar
- Show Keyboard & Character Viewer in menu bar



Wed 08:40
MacFormat
Spotlight
Universal Access
Print & Scan
Sound
Startup Disk
Downloads
install_fl...osx.dmg
ipad_user_guide.pdf
iphone_u...uide.pdf
John Carter.mov
Separation.mov
Open in Finder



Tue 11:16
MacFormat
Spotlight
movie
Show All in Finder
CARTER

## Leaner search results

You can choose the kinds of item that appear when searching with the Spotlight menu (always rightmost in the menu bar). Open *System Preferences* and choose **Spotlight**. Untick the information you don't need to appear in the Spotlight menu. You might always look for contacts and emails in *Address Book* and *Mail*. Drag items to change the order in which they appear in the Spotlight menu.

## Which way is up?

OS X Lion's reversed scrolling direction isn't forced on you. If you can't get used to it, open *System Preferences* and open the **Mouse** or **Trackpad** pane (if you have both, the setting is independent for each). Under **Scroll & Zoom**, untick **Scroll direction: natural**. Scroll bars are normally hidden until you start scrolling, but can be made always visible in the **General** pane.

Applications
Address Book
App Store
Automator
Calculator
Chess
Dashboard
Dictionary
DVD Player
FaceTime
Font Book
GarageBand
iCal
iChat
Image Capture
iMovie
iPhoto
iTunes
Launchpad
Mail
Mission Control
Photo Booth
Preview
QuickTime Player
Safari

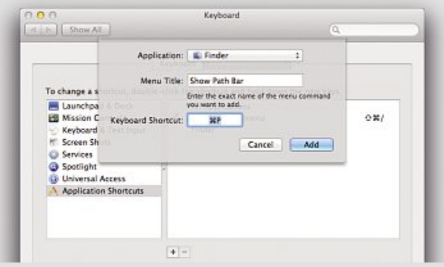
## Quick folder access

Folders you use often can be dragged from a *Finder* window into the right side of the Dock as a shortcut – in this case called a Stack – as a quick way to open files. Stacks for your documents and downloads are already set up for you. ctrl-click to pick from alternative grid and list layouts that can be more practical for some types of file, and to change the sort order.

## » HOW TO / Menu browse

Although it's not obvious, you can use the arrow keys and ↩ to browse the menu bar and pick an item. Press ctrl+F2 on a full-size keyboard, or fn+ctrl+F2 on MacBooks and Apple's wireless keyboard.

Alternatively, memorise the shortcut next to an item for direct access. If none is shown, set one in *System Preferences* under Keyboard > Keyboard Shortcuts > Application Shortcuts. Click **+**, choose an app, type the menu item's name, and press a combination that uses at least one of ⌘, ⌥ and ctrl. ⇧ can be used in conjunction, but not alone as that's used for symbols and capitals.



Keyboard
Show All
To change a s
Launchpa
Mission C
Keyboard
Screen Sh
Services
Spotlight
Universal Access
Application Shortcuts
⇧⌘/
Cancel
Add

Application: Finder

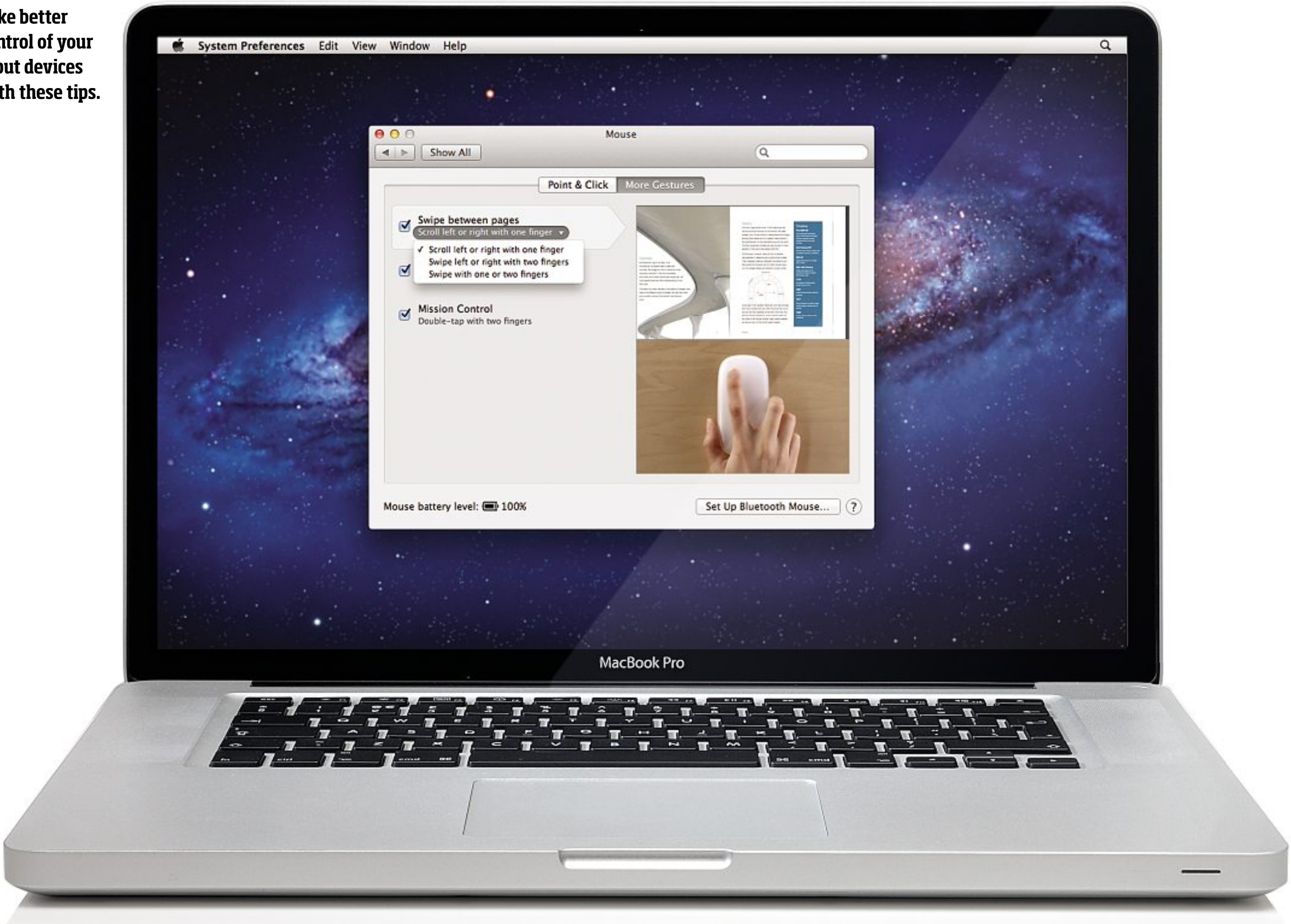
Menu Title: Show Path Bar

Enter the exact name of the menu command you want to add.

Keyboard Shortcut: ⌘P

**If a menu item you use doesn't have a keyboard shortcut, assign one in System Preferences.**

Take better control of your input devices with these tips.



☑ Swipe between pages: Scroll left or right with one finger
✓ Scroll left or right with one finger
Swipe left or right with two fingers
Swipe with one or two fingers

☑ Mission Control: Double-tap with two fingers

Mouse battery level: 100%

Set Up Bluetooth Mouse...

# Master your trackpad & mouse

## Take control of the Keyboard, Mouse and Trackpad System Preferences panes

### >> KEY INFO

**DIFFICULTY**
Beginner

**TIME NEEDED**
15 minutes

**WHAT YOU'LL NEED**
OS X Lion (although similar settings exist under older versions of OS X), mouse, wired keyboard and/or trackpad

Until an advanced version of Siri comes to the Mac and we can mumble commands at our computers, we're stuck with traditional input devices: keyboards, mice and trackpads.

In their default states, each device has the potential to frustrate. We often find mouse-tracking absurdly slow, forcing multiple swipes to get the cursor across the screen; we regularly prod a trackpad and accidentally activate an on-screen click; and the lack of keyboard shortcuts for useful actions in certain apps drives us nuts.

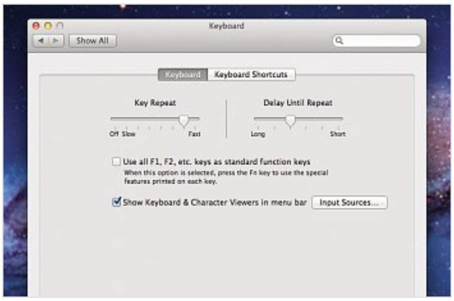
This tutorial therefore looks at how settings for these things (and more) can be adjusted by way of the Keyboard, Mouse and Trackpad panes in *System Preferences* (accessed from the  menu or your Applications folder in *Finder*).

Our tutorial assumes you're using standard Apple kit, such as the Magic Mouse and a Magic Trackpad or MacBook trackpad. If you're using third-party input devices or older Apple products, the options you see might be different from those shown. Additionally, if you use an input device such as a Wacom Bamboo tablet, that will probably have its own separate configuration options, available from the **Other** section of *System Preferences*.

> *"The lack of keyboard shortcuts for useful actions in certain apps can drive you nuts. So why not adjust them?"*

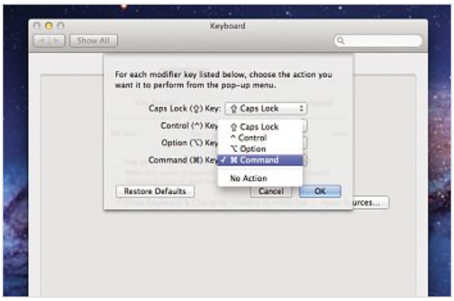
Our grabs are all from OS X Lion, and Snow Leopard's options differ. The **Mouse** pane lacks OS X Lion-specific features, and instead displays all its options at once, including a scrolling-speed slider that's absent in Lion. The **Trackpad** pane is similar, providing a single page of settings for one-finger actions (tap to click, secondary click, and dragging/drag-lock toggles), two-finger actions (scrolling, rotation, pinch, screen zoom), three-finger swipes, and four-finger swipes (for Exposé and app-switching). **Craig Grannell**

## HOW TO / Define options for your input devices


Keyboard
Show All
Keyboard
Keyboard Shortcuts
Key Repeat
Delay Until Repeat
Off Slow
Fast
Long
Short
☐ Use all F1, F2, etc. keys as standard function keys
When this option is selected, press the Fn key to use the special features printed on each key.
☑ Show Keyboard & Character Viewers in menu bar
Input Sources...

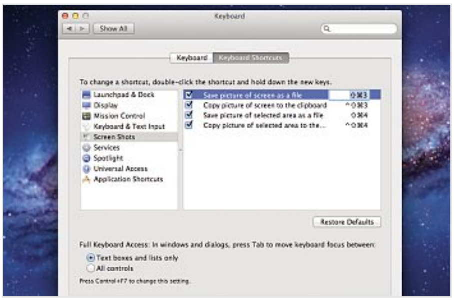
### 01 Amend keyboard options

In the **Keyboard** pane, the first two options define how rapidly held keys repeat and the delay until the repeat happens. In Lion, this is often disabled for letters, which instead provide an accents menu when held. The **Use all** check box reverts function keys to standard.


Keyboard
Show All
For each modifier key listed below, choose the action you want it to perform from the pop-up menu.
Caps Lock (⇪) Key:
Caps Lock
Control (^) Key
Option (⌥) Key
Command (⌘) Key
Caps Lock
Control
Option
✓ ⌘ Command
No Action
Restore Defaults
Cancel
OK

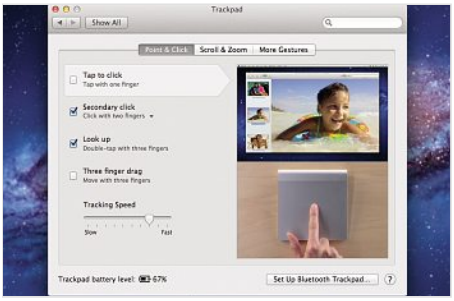
### 02 Change modifier keys

Click **Modifier Keys**. A sheet will show the Mac's modifiers, and you can use the menus to reassign actions for each modifier. It's best to stick with the defaults, but if you're a frustrated Windows switcher who can't get on with Mac key positions, you could, say, assign ⌘ to ctrl.


Keyboard
Show All
Keyboard
Keyboard Shortcuts
To change a shortcut, double-click the shortcut and hold down the new keys.
Launchpad & Dock
Display
Mission Control
Keyboard & Text Input
Screen Shots
Services
Spotlight
Universal Access
Application Shortcuts
Save picture of screen as a file
Copy picture of screen to the clipboard
Save picture of selected area as a file
Copy picture of selected area to the...
Restore Defaults
Full Keyboard Access: In windows and dialogs, press Tab to move keyboard focus between:
Text boxes and lists only
All controls
Press Control+F7 to change this setting.

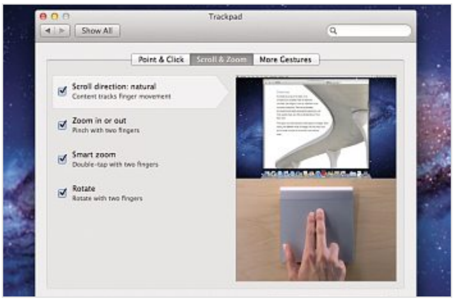
### 03 Edit shortcuts

Under **Keyboard Shortcuts**, you can view, toggle and edit existing shortcuts. Often forget the shortcut for a screen grab? Select **Screen Shots** and click the first option's shortcut (⇧+⌘+3) and change it. Try to avoid clashing with existing shortcuts.


Trackpad
Show All
Point & Click
Scroll & Zoom
More Gestures
Tap to click
Tap with one finger
Secondary click
Click with two fingers
Look up
Double-tap with three fingers
Three finger drag
Move with three fingers
Tracking Speed
Slow
Fast
Trackpad battery level: 67%
Set Up Bluetooth Trackpad...

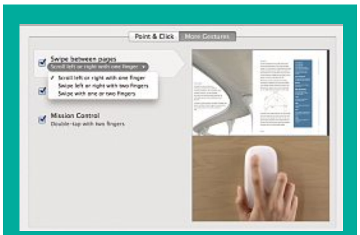
### 04 Access trackpad options

Trackpad options are found within the **Trackpad** pane. Under **Point & Click**, toggle and define single and secondary click, Look up (three-finger double-tap for dictionary definitions), three-finger drag and tracking. Disable **Tap to click** if that works for you.


Trackpad
Show All
Point & Click
Scroll & Zoom
More Gestures
Scroll direction: natural
Content tracks finger movement
Zoom in or out
Pinch with two fingers
Smart zoom
Double-tap with two fingers
Rotate
Rotate with two fingers

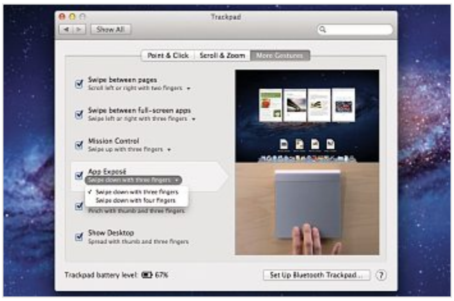
### 05 Scrolling and zooming

Under **Scroll & Zoom**, the first option defines scroll direction. **Natural** means content follows your drag direction, like on iOS. Stick with this – it makes sense over time. Other options are for toggling pinch-to-zoom, smart zoom (iOS-like) and rotation.


Point & Click
More Gestures
Swipe between pages
Mission Control

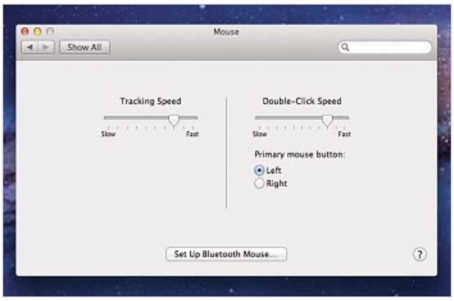
### QUICK TIP

Here's how to define a shortcut for any app. In Keyboard > Keyboard Shortcuts, select **Application Shortcuts**, click +, choose an app, type the menu item you want to add a shortcut for, then define your shortcut.


Trackpad
Show All
Point & Click
Scroll & Zoom
More Gestures
Swipe between pages
Scroll left or right with two fingers
Swipe between full-screen apps
Swipe left or right with three fingers
Mission Control
Swipe up with three fingers
App Exposé
Swipe down with three fingers
✓ Swipe down with three fingers
Swipe down with four fingers
Pinch with thumb and three fingers
Show Desktop
Spread with thumb and three fingers
Trackpad battery level: 67%
Set Up Bluetooth Trackpad...

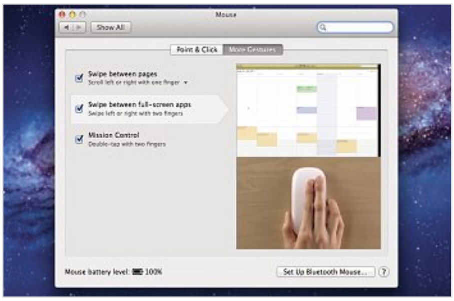
### 06 Advanced gestures

The **More Gestures** tab offers advanced gestures for moving between apps and pages, and activating Lion features. Hover over any option to see a video of how it works. Click the triangles for extra options for gestures, which usually increase the number of fingers required.


Mouse
Show All
Tracking Speed
Slow
Fast
Double-Click Speed
Slow
Fast
Primary mouse button:
● Left
○ Right
Set Up Bluetooth Mouse...

### 07 Basic mouse controls

You can amend the **Tracking Speed** (the rate at which the cursor moves) and **Double-Click Speed**. The former defines how fast the cursor moves when you move the mouse. The latter enables you to change the time you have to perform a double-click.


Mouse
Show All
Point & Click
More Gestures
Swipe between pages
Scroll left or right with one finger
Swipe between full-screen apps
Swipe left or right with two fingers
Mission Control
Double-tap with two fingers
Mouse battery level: 100%
Set Up Bluetooth Mouse...

### 08 Toggle mouse gestures

Magic Mouse owners get two tabs: **Point & Click** and **More Gestures**. For the former, you can disable 'natural scrolling' in Lion, change right-click to the left, and turn off the iOS-like smart zoom. **More Gestures** provides toggles for swipe actions and Mission Control. ●

**Words:** Gary Marshall **Illustration:** Bill McConkey

# 10 ways to make money with a Mac

> Apple doesn't just make you spend money, it can help you make money too.

The glorious products and apps that Apple offers might be fantastic to own, but they're not always so fantastic on the bank balance. Luckily these very products and apps can relieve your long-suffering wallet by helping you earn some cash.

Apple has always adopted a philosophy concerned with empowering its users, and if you have a reasonable amount of talent and a bit of time, your Mac can help turn your brightest ideas into money. If you're a writer, there are several apps that can get you scribbling and published in next to no time, such as *WriteRoom*, which handily cuts out distractions, and *Scrivener*, which will help you plan your novel down to the letter. If you're a photographer, the 17" MacBook Pro is portable with a screen that's ideal for editing images wherever you are, ready to sell and inspire others; if you're an illustrator, there are numerous apps to help you get the best out of your creative talent, such as *Pixelmator*.

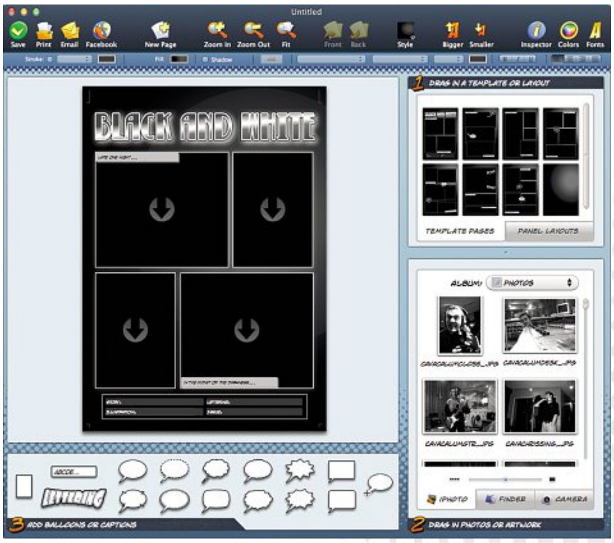
The possibilities aren't just limited to artistic types either. The entrepreneurial among us will know there is money to be made from finding undervalued products and selling them at a profit. Or if you like to program, you can turn your code into cash.

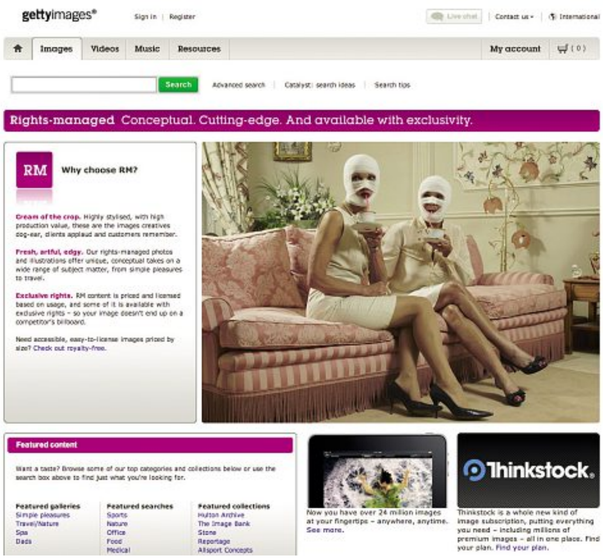
Forget get-rich-quick schemes, unmissable opportunities and other internet idiocies: over the next few pages you'll discover what's available, what it takes and whether it's more likely to pay for a packet of peanuts or your next house.

## #10 Comic books

**WHAT IT IS:** Biff! Pow! Kaboom! And other things like that
**WHAT YOU NEED:** Drawing ability; scanner; image-editing software
**ESSENTIAL ADVICE:** A scanner and image editor makes it easy to polish up your drawings and add text, a graphics tablet enables you to create your scenes digitally and the excellent *Comic Life* comes with a range of templates for comic book layouts and lettering. Publishing is then as simple as printing, or getting somebody else to print, your masterpiece and persuading comic book shops to stock it.

If you'd like to sell online there are multiple options: through your own website, collecting payments via PayPal; online with ads from a provider such as Google; in PDF format through an aggregator such as Smashwords; or by printing them through a books-on-demand service such as Lulu.com.
**WILL IT MAKE YOU RICH?** Quite possibly. Given Hollywood's current obsession, comic books are more popular than ever.


Untitled
Save
Print
Email
Facebook
New Page
Zoom In
Zoom Out
Fit
Front
Back
Style
Bigger
Smaller
Inspector
Colors
Fonts
BLACK AND WHITE
1 DRAG IN A TEMPLATE OR LAYOUT
TEMPLATE PAGES
PANEL LAYOUTS
ALBUM: PHOTOS
IPHOTO
FINDER
CAMERA
LETTERING
3 ADD BALLOONS OR CAPTIONS
2 DRAG IN PHOTOS OR ARTWORK


gettyimages
Sign in | Register
Live chat
Contact us
International
Images
Videos
Music
Resources
My account
( 0 )
Search
Advanced search
Catalyst: search ideas
Search tips
RM
Featured content
Thinkstock

Rights-managed Conceptual. Cutting-edge. And available with exclusivity.

Why choose RM?

**Cream of the crop.** Highly stylised, with high production value, these are the images creatives dog-ear, clients applaud and customers remember.

**Fresh, artful, edgy.** Our rights-managed photos and illustrations offer unique, conceptual takes on a wide range of subject matter, from simple pleasures to travel.

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| Travel/Nature | Nature | The Image Bank |
| Spa | Office | Stone |
| Dads | Food | Reportage |
|  | Medical | Allsport Concepts |

Now you have over 24 million images at your fingertips – anywhere, anytime. See more.

Thinkstock is a whole new kind of image subscription, putting everything you need – including millions of premium images – all in one place. Find your plan. Find your plan.

## #9 Picture sales

**WHAT IT IS:** Licensing photos you've taken or images you've created for commercial re-use
**WHAT YOU NEED:** A camera; a good eye
**ESSENTIAL ADVICE:** If you've an eye for the perfect image – especially images suitable for advertising or editorial – then a number of firms will help you licence your images in exchange for money. Shutterstock.com promises $0.25 to $28.00 per image download, while Getty Images (http://contributors.gettyimages.com) is where newspapers and magazines often purchase their pics. Agencies won't take on everybody, but popular images can generate significant sums.

If you upload photos to Flickr, there's another way to sell your shots: every quarter, Getty runs a Call For Artists (www.flickr.com/groups/callforartists) in which Flickr users are invited to send samples of their work for consideration.
**WILL IT MAKE YOU RICH?** It can do. The right photo can be sold again and again and again.

## DISCOUNT WEBSITES / Get money back online

It's always worth shopping online if you are after a bargain. There are loads of websites that have special deals and offers, including **Quidco.com**, which offers cashback when you use participating retailers including Play.com, Tesco, M&S and Ebuyer. The rates can be pretty good. At the time of writing, M&S is offering 6% cashback through the site. Quidco, and many other sites, also offer money-off vouchers and promotional codes that you can use to pay less for products.

Another option is to collect points. The trick is to find points programmes that you can convert into things you actually use, so for example Tesco Clubcard points can be converted to magazine subscriptions, games and chocolates, while Avios points (formerly Airmiles, **www.avios.com**) can be used not just for travel, but for days out and wines too. In the case of Avios you can earn points whenever you buy from a wide range of online shops – including the Apple Store.

Keep your discount sites organised via your Mac's web browser. Our tutorial on page 64 shows you how to search and browse effectively in Firefox, as well as bookmark your discount pages to make them easy to get to. The latest version of *Safari* also comes with a Reading List feature, which enables you to collect content from web pages, so you can read it offline at your leisure. This can be handy for comparing different deals.

Help
Your basket
LOG IN
Forgotten your details?
avios
HOME
COLLECT
SPEND
ABOUT US
JOIN NOW
mytrainticket
Log in to shop
1 Log in
LOG IN
2 Shop
3 Collect
LOG IN AND SHOP

Welcome to Avios eStore

Get double Avios at MyTrainTicket

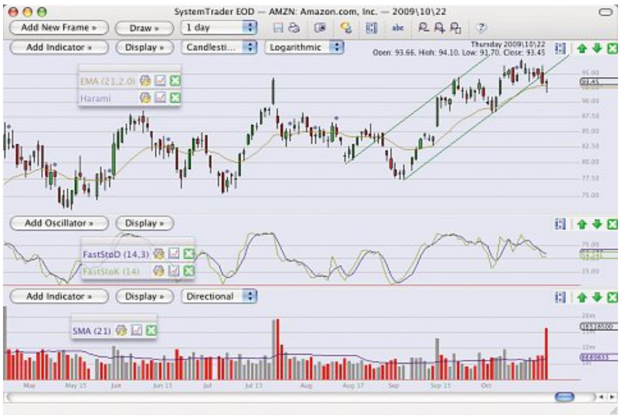
Buy your tickets via our eStore by 31 December 2011

How to get Avios at our eStore

Why shop at our eStore?

Our most popular departments

Avios – formerly known as AirMiles – enables you to earn points on everyday shopping, which you can swap for travel tickets.


SystemTrader EOD — AMZN: Amazon.com, Inc. — 2009\10\22
Add New Frame
Draw
1 day
Add Indicator
Display
Candlesti...
Logarithmic
Thursday 2009\10\22
Open: 93.66, High: 94.10, Low: 91.70, Close: 93.45
EMA (21,2,0)
Harami
Add Oscillator
FastStoD (14,3)
FastStoK (14)
Directional
SMA (21)

## #8 Selling shares

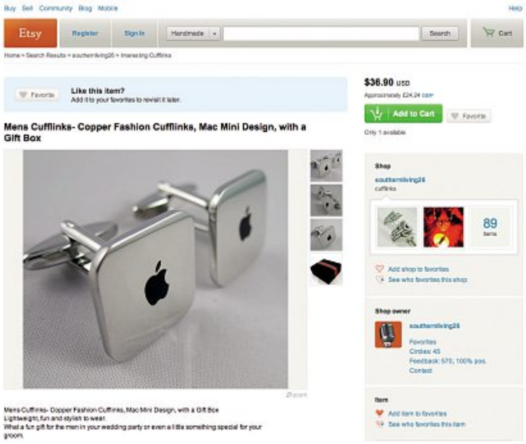
**WHAT IT IS:** Bulls and bears and stock market speculation

**WHAT YOU NEED:** Software such as *SystemTrader* or *ProTA*; a strong stomach; luck

**ESSENTIAL ADVICE:** In January 2002, Apple's shares were $22 apiece; 10 years on, they're $373 (and may be worth even more by the time you read this). Do you think you can spot the next Apple?

There are lots of programs to help you analyse particular stocks' previous performance in the hope of predicting what they'll do in future. It's more art than science – if any program could accurately predict the future its makers would no doubt go into hiding, taking all of the world's money with them. But there's no doubt that without research, you might as well choose shares by throwing darts at the business pages.

**WILL IT MAKE YOU RICH?** Maybe. Don't forget that shares can go down as well as up.


Etsy
Register
Sign In
Handmade
Search
Cart
Like this item?
Add it to your favorites to revisit it later.
Mens Cufflinks- Copper Fashion Cufflinks, Mac Mini Design, with a Gift Box
$36.90 USD
Add to Cart
Favorite
Only 1 available
Shop
southernliving26
89
Shop owner
Item

## #7 Etsy

**WHAT IT IS:** A place to sell the things you make

**WHAT YOU NEED:** A bright idea or some really old stuff

**ESSENTIAL ADVICE:** From Apple cufflinks to clocks made from old iMacs, Etsy.com is the place to sell quirky handcrafted items. The fees structure is nice and straightforward: you pay $0.20 to list each item and Etsy takes 3.5% of the selling price, and your listing's good for four months.

To sell on Etsy, your items need to be either: handmade items by you; vintage items that are 20 years old or older; or crafting supplies. As the site explains, handmade doesn't mean "simply tailoring, restoring or repairing an item", you can't just sell something that came to you in kit form and, vintage items excepted, you aren't allowed to sell others' efforts.

**WILL IT MAKE YOU RICH?** Etsy's all about individual items, not mass production, so it will take a while.

## #6 Video production

**WHAT IT IS:** Recording and editing video for special occasions, corporate customers or YouTube

**WHAT YOU NEED:** HD camcorder; *iMovie* or *Final Cut Pro X*

**ESSENTIAL ADVICE:** YouTube (**www.youtube.com/partners**) pays royalties for successful videos, and the rewards can be enormous. Remember the annoying YouTube hit "Charlie Bit My Finger"? That's earned Howard Davies-Carr some £120,000. Who'd have thought that a little bit of sibling rough-and-tumble could be so lucrative?

However, if you'd rather put your trust into hard work, rather than sheer luck and wayward kids, your video recording and editing skills could be put to work in commercial video production. This could be anything from filming weddings and parties or making safety videos for the local sawmill.

**WILL IT MAKE YOU RICH?** Not initially – it's a particularly tough market – but if you're good at what you do, price reasonably and sell well, it can be a pretty good and fulfilling business.

Final Cut Pro
Event Library
Audi Infinite Final
The Loo
MacBook Pro

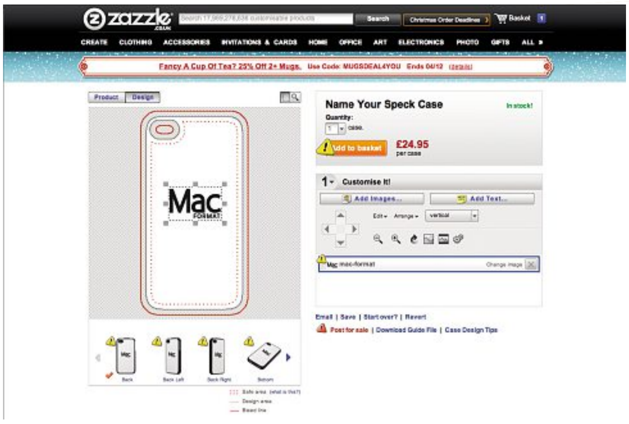
## #5 eBay

**WHAT IT IS:** Online auctions
**WHAT YOU NEED:** Market savvy; listing apps like *Garagesale*
**ESSENTIAL ADVICE:** Forget the cash-in-the-attic nonsense: eBay can be treated as a business by selling lots of things at a profit. The trick is to find the right products at the right price, and there are several ways of doing that. One method is to queue up for real-world sales and one-off events, such as designer collections at H&M, using sharp elbows to fend off your fellow bargain hunters; another is to scour online retailers for blink-and-you'll-miss-them bargains.

Another way to find bargains is to pay under the odds on eBay itself. Not everybody who sells things on eBay knows the value of what they've got or presents it particularly well, and some don't even bother to spell the product name properly. You're unlikely to find a bargain by searching for '18 carrot diamond', but you may well get a good price on a 'Timbaland coat' that you can relist and make money from. Another useful eBay trick is 'sniping' – that is, bidding at the very last possible second so that other buyers can't trump you.

Watch out for the two Fs: fakes and fees. The former are a particular problem with pricey items, such as designer clothes or high-end headphones, while the latter can wipe out your profit if you're not careful. eBay is very keen on persuading you to add extra features to make your listings look more attractive, but many of those features will cost money and reduce your profit margin drastically.

**WILL IT MAKE YOU RICH?** Successful selling is a business rather than a lottery, so it takes a lot of time and effort. But lots of people are making a living from eBay sales.

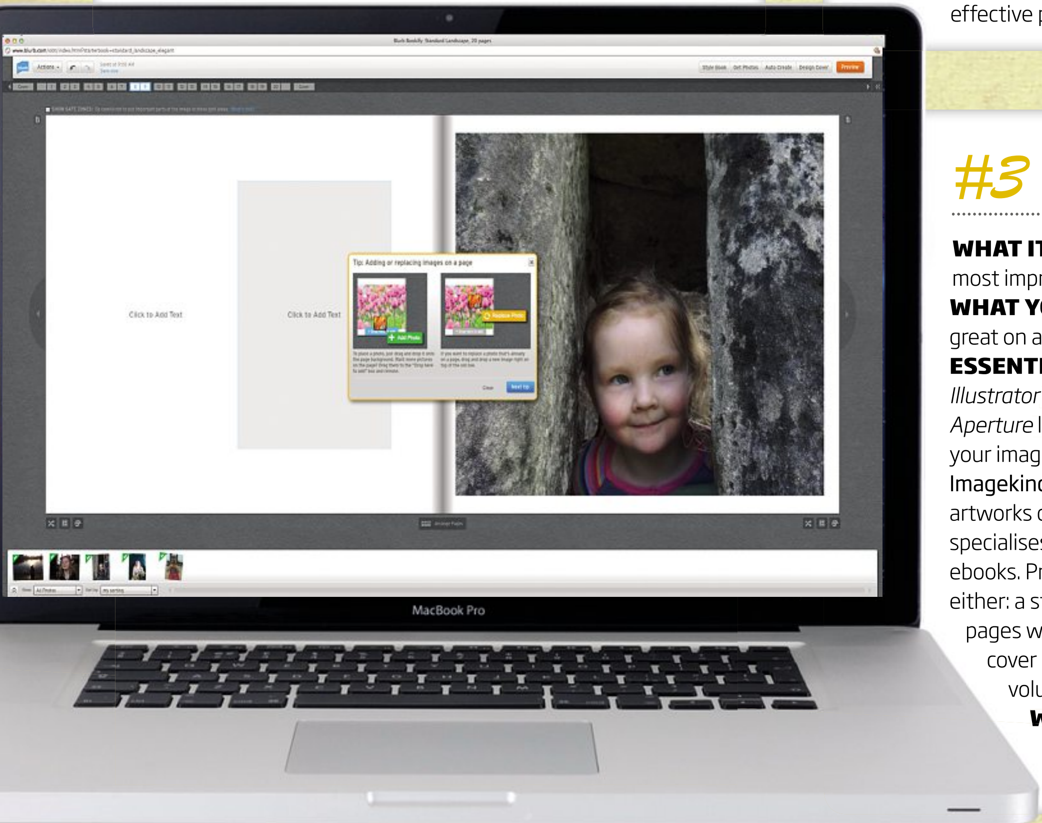

zazzle
Search
Christmas Order Deadlines
Basket
CREATE
CLOTHING
ACCESSORIES
INVITATIONS & CARDS
HOME
OFFICE
ART
ELECTRONICS
PHOTO
GIFTS
ALL »
Fancy A Cup Of Tea? 25% Off 2+ Mugs. Use Code: MUGSDEAL4YOU Ends 04/12
Product
Design
Mac FORMAT
Name Your Speck Case
In stock!
Quantity:
case.
Add to basket
£24.95
per case
Customise It!
Add Images...
Add Text...
Edit
Arrange
vertical
mac-format
Change image
Email | Save | Start over? | Revert
Post for sale | Download Guide File | Case Design Tips
Back
Back Left
Back Right
Bottom
Safe area
Design area
Bleed line

## #4 Custom-designed products

**WHAT IT IS:** Printing images on products such as T-shirts or iPad cases
**WHAT YOU NEED:** A striking image
**ESSENTIAL ADVICE:** Fancy making your own products? Threadless.com gets its visitors to pick their favourite user-submitted T-shirt designs, giving designers a cut of each sale, while Cafepress.co.uk offers a range of printable items. Another good site is Zazzle.co.uk, which offers iPad cases and iPod speakers as well as the usual mouse mats and mugs.

The problem with such sites is that unless you're making significant volumes – in which case you'd be better off organising the manufacturing yourself – the prices can be high. On Zazzle, for example, a Speck iPhone case sells at £24.95 and gives you a 10% royalty.

**WILL IT MAKE YOU RICH?** Not directly, but it can help you research the market before embarking on more cost-effective production.


Click to Add Text
Click to Add Text
Tip: Adding or replacing images on a page
Add Photo
Replace Photo
Close
Next tip
MacBook Pro

## #3 Prints & photobooks

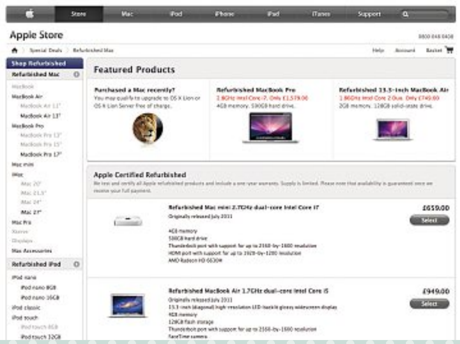
**WHAT IT IS:** Selling art prints and books of your most impressive images
**WHAT YOU NEED:** Photos or illustrations that'll look great on a wall
**ESSENTIAL ADVICE:** If you're a dab hand with *Illustrator* or have some luscious landscapes in your *Aperture* library, why not sell prints or entire albums of your images? Sites such as Deviantart.com and Imagekind.com enable you to sell prints of individual artworks or images, while the highly rated Blurb.com specialises in bookshop-quality photobooks and ebooks. Prices aren't as bad as you might expect, either: a standard 8x10 photobook is £12.95 for 20 pages with a soft cover, rising to £21.95 with a hard cover and dust jacket, and there are discounts for volume orders. Your profit margin is up to you.
**WILL IT MAKE YOU RICH?** Why not? Unlike many kinds of books, photo and art books can still command premium prices.

## AFFORDABLE OPTIONS / Get new Apple kit without breaking the bank

It can be a little tricky hunting down Apple deals as they're rarely discounted, but there are still ways to save money on your next bit of Apple kit if you look around hard enough. Apple offers discounts to students, teachers and anybody else working in education, and some non-profit organisations too.

Independent firms such as the Carphone Warehouse (**www.carphonewarehouse.com/trade-in**) offer cash in exchange for iPads and iPhones that can reduce the pain of buying the latest, greatest Apple kit (Apple does trade-ins too, but only on iPods). Don't forget the refurb store, too: if you're not in a huge hurry for a new Mac or iPad, bargains start filtering through after a couple of months. It pays to check the site often though, as the bargains tend to disappear quickly. **Amazon.co.uk** also offers plenty of options for buying good-as-new used Macs. John Lewis also offers an extra year's warranty when you buy a Mac with them.

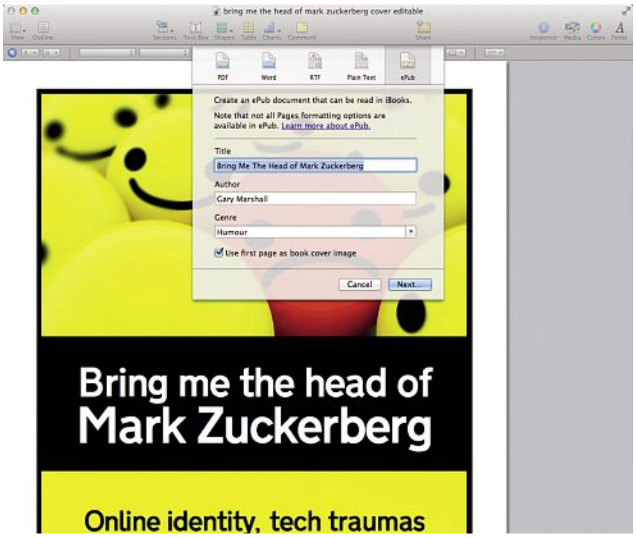
Selling your kit on eBay can be lucrative too, but only if you time it right: if you offload an iPad before the iPad 3 starts to ship – or better still, before the ship date is announced – you'll get more cash than you will once the latest model starts selling.


Store
Mac
iPod
iPhone
iPad
iTunes
Support
Apple Store
Special Deals
Refurbished Mac
Help
Account
Basket
Shop Refurbished
Refurbished Mac
MacBook Air
MacBook Pro
Mac mini
iMac
Mac Pro
Mac Accessories
Refurbished iPod
iPod nano
iPod classic
iPod touch
Featured Products
Purchased a Mac recently?
Refurbished MacBook Pro
Refurbished 13.3-inch MacBook Air
Apple Certified Refurbished
Select

Refurbished Mac mini 2.7GHz dual-core Intel Core i7 £659.00

Refurbished MacBook Air 1.7GHz dual-core Intel Core i5 £949.00

**Patience can save you money: once kit has been on sale for a while, bargains start to appear in Apple's Refurb Store.**


bring me the head of mark zuckerberg cover editable
PDF
Word
RTF
Plain Text
ePub
Cancel
Next...
Bring me the head of
Mark Zuckerberg
Online identity, tech traumas

Create an ePub document that can be read in iBooks.

Note that not all Pages formatting options are available in ePub. Learn more about ePub.

Title: Bring Me The Head of Mark Zuckerberg

Author: Gary Marshall

Genre: Humour

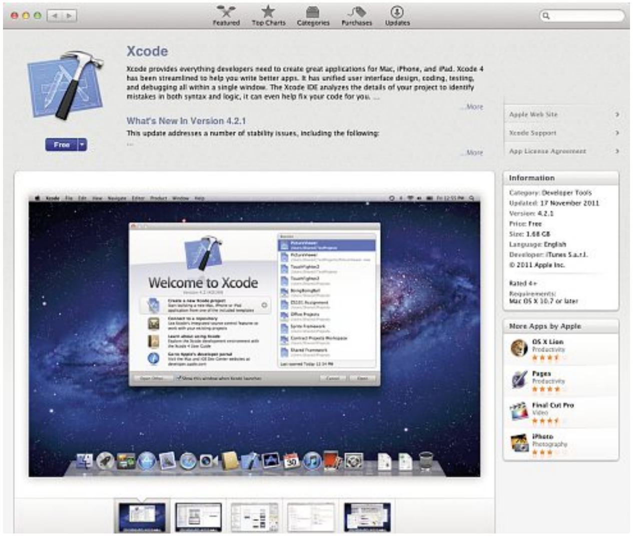
☑ Use first page as book cover image

## #2 Ebooks

**WHAT IT IS:** Creating and selling electronic books
**WHAT YOU NEED:** A word processor; a good story
**ESSENTIAL ADVICE:** Thanks to platforms such as Amazon's Kindle Store and Apple's iBooks, anybody can publish and sell their own ebooks. Provided it isn't illegal or offensive you can publish almost anything: the novel you've been working on, a collection of your teenage poetry, a short story or a how-to guide on something you know inside out.

The publishing process is simple: to publish on Amazon simply export your book from *Pages* (or any other word processor) and upload it along with a cover image; to publish on iBooks, sign up with a third party such as Smashwords.com and again, upload the document and cover image. Both Amazon and Smashwords provide how-to guides covering every aspect of the process.

It's now up to you to tell the world about your book, and that means trying to persuade people to write, post or tweet about it. Pricing is key. Price too low and you won't make much.
**WILL IT MAKE YOU RICH?** It might: many self-published writers have sold thousands of ebooks. While most writers' sales are modest, hard work and good self-promotion can pay off.


Featured
Top Charts
Categories
Purchases
Updates
Xcode
Free
...More
Apple Web Site
Xcode Support
App License Agreement
Information
Welcome to Xcode
More Apps by Apple
OS X Lion
Pages
Final Cut Pro
iPhoto

Xcode provides everything developers need to create great applications for Mac, iPhone, and iPad. Xcode 4 has been streamlined to help you write better apps. It has unified user interface design, coding, testing, and debugging all within a single window. The Xcode IDE analyzes the details of your project to identify mistakes in both syntax and logic, it can even help fix your code for you. ...

What's New In Version 4.2.1

This update addresses a number of stability issues, including the following:

Category: Developer Tools
Updated: 17 November 2011
Version: 4.2.1
Price: Free
Size: 1.68 GB
Language: English
Developer: iTunes S.a.r.l.
© 2011 Apple Inc.
Rated 4+

## #1 Apps

**WHAT IT IS:** Making and selling iOS apps
**WHAT YOU NEED:** Xcode software; a unique idea
**ESSENTIAL ADVICE:** The rise of the iTunes App Store has generated an astonishing amount of money for app developers, so why not become one of them? The trick is to develop an app people will love. The most successful apps go viral, with users not just talking about them but writing good reviews and recommending them. If you're more of an ideas person than a coder then you can always hire somebody to do the programming for you. If you're happy doing both you should join the Apple Developer Program and download the iPhone SDK.

So what makes a good app? The best apps tend to do something better than anybody else, address a need that nobody else has thought of, or just entertain people. As with ebooks, you need to do more than just list your app for sale. That means encouraging people to write reviews and getting your app in front of anyone who can help promote it.
**WILL IT MAKE YOU RICH?** If you invent the next *Angry Birds*, yes. However, according to 148apps.biz, iOS sales average out at $8,500 (£5,500) per developer per year.

# Q&A

## HINTS & TIPS • TROUBLESHOOTING • EXPERT ADVICE • ESSENTIAL INFO

**>> MEET YOUR Q&A EXPERT**

Whatever your Mac-related problem, from misbehaving MacBooks to withering wireless, Luis Villazon can help.

**>> ASK LUIS A QUESTION**

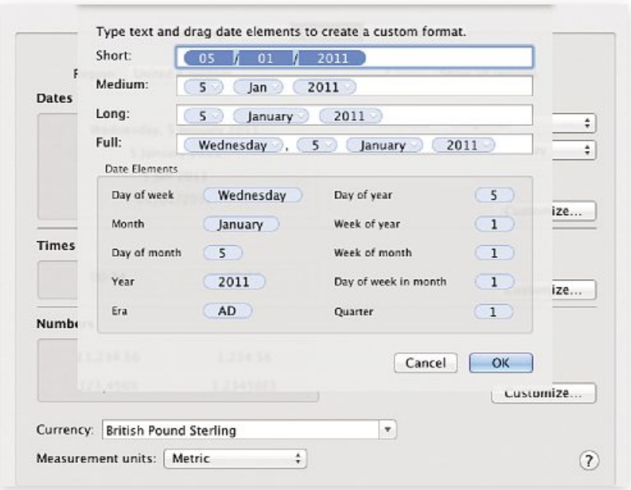
Got a problem with your Mac? Then why not send your queries to Luis at **macformat.helpline@futurenet.com** and see if he can help.

## "Why is every day 18 July 2011 on my email?"

**Q** **When my emails arrive they have 'Today' in the Date Received column, followed by 'Yesterday', but for some reason anything further back will say 18 July 2011, regardless of when it actually arrived. My *iCal* date is always correct and the time and date on my screen is always correct. Have I inadvertently altered something and how do I fix this little problem?**

**Brian Woolf**

**A** If the system date is correct on the menu but it displays incorrectly in some apps, then the first place to look is the Language & Text preference pane. If this preference gets corrupted then you can end up with a date formatting filter that forces the date to display as garbage, or as a single fixed date, even though it is represented correctly internally. To fix it, open Language & Text preferences and click the Format tab. Change the Region drop-down menu to something other than Custom and check *Mail* again. If that works (and it will), you can switch back to a custom date format if you want. Just make sure that you set it by dragging around the date elements in the blue bubbles, rather than typing anything directly into the format box.



Type text and drag date elements to create a custom format.

Short: 05 / 01 / 2011

Medium: 5 Jan 2011

Long: 5 January 2011

Full: Wednesday, 5 January 2011

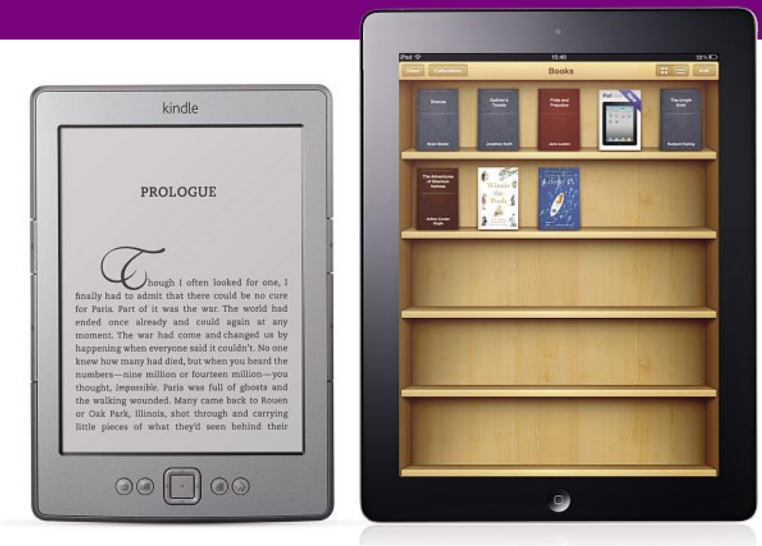
Date Elements

| | | | |
|---|---|---|---|
| Day of week | Wednesday | Day of year | 5 |
| Month | January | Week of year | 1 |
| Day of month | 5 | Week of month | 1 |
| Year | 2011 | Day of week in month | 1 |
| Era | AD | Quarter | 1 |

Currency: British Pound Sterling

Measurement units: Metric

**Mangled custom date formats can make Mail and other applications behave oddly.**



**Some obscure third-party ebook manufacturers aren't always recognised by Lion.**

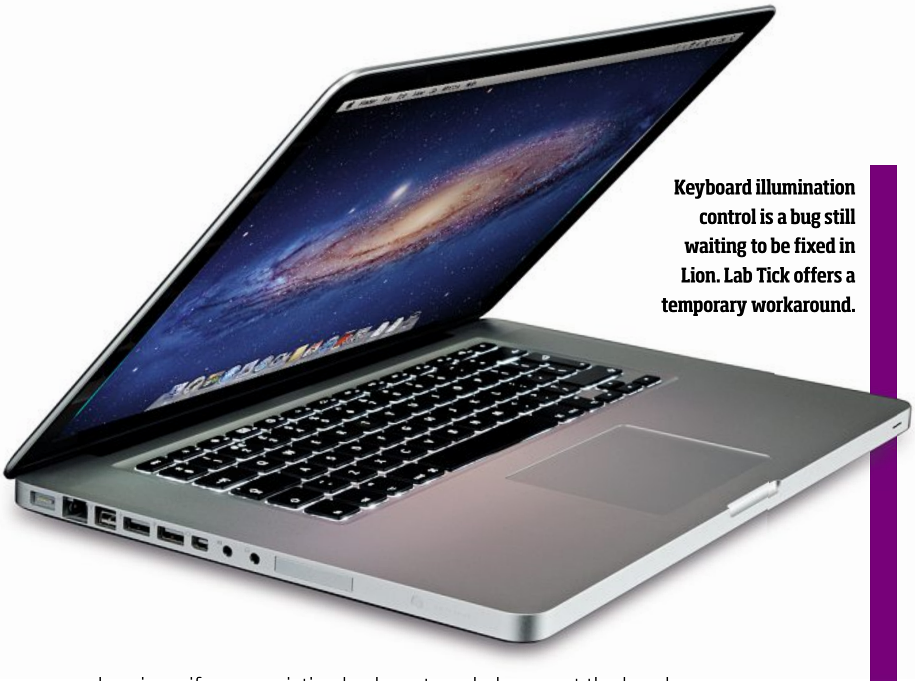
## "Help! Several of my backups are missing!"

**Q** **Since upgrading to OS X Lion my endlessly reliable MacBook Pro (A1260) has suddenly started behaving strangely. Most worrying of all, *Time Machine* has deleted two years' worth of Time Capsule backups to "improve reliability". This seems to have been due to unreliable wireless connectivity apparently caused by rogue *Safari* plug-ins. I've cleared them out but my Time Capsule still stalls while backing up. The only way to recover seems to be a forced power-down.**

**Second, my battery, which has given excellent service since the laptop was new, is suddenly reporting that it should be replaced soon. Other symptoms that have cropped up include keyboard illumination staying on when it should be off, screen backlight brightness having to be manually adjusted – in short, my bomb-proof MacBook Pro has been compromised by Lion.**

**Jonathan Clark, Belfast**

**A** That's not Lion, it's *Time Machine* and it's not the problem you're seeing; it's the solution. What actually happened was that Apple found a bug in the firmware for the first generation of 802.11n Time Capsules that could corrupt your backups. They released a firmware update earlier this year that fixed this bug and the first thing the update



**Keyboard illumination control is a bug still waiting to be fixed in Lion. Lab Tick offers a temporary workaround.**

does is verify your existing backups to see if they are affected. If they are, it deletes the existing backups and creates a new one.

That's still not great, but at least your backups are working now. Unless there are other undiscovered bugs, of course. Actually, this illustrates an important point about backups in general. They are like ejector seats – you can never be sure that they work properly until you actually need them. That's why you never want to skimp on your backup solution. I have two. Time Capsule runs its automatic hourly backup, but on the first of every month I also manually back up the entire disk to an external drive. I still worry it's not going to protect me from accidental deletion, data corruption and zombie apocalypse, but for now it's the best I can do. You should never trust *Time Machine* so much that you treat those old backups like an archive of previous versions.

The other problems are Lion's fault though. The keyboard and screen illumination problems are bugs that haven't been fixed as of 10.7.2. Lion is also much harder on laptop batteries than Snow Leopard was, and the sudden drop in charge life is probably triggering the advice to replace the battery. You can manually control the keyboard illumination with *Lab Tick* (http://labtick.proculo.de/) if you want, and I have seen some laptops improve their battery performance by using *gfxCardStatus* (http://codykrieger.com/gfxCardStatus) to force the MacBook to use the integrated graphics processor, rather than the more power-hungry discrete processor. Ultimately though, if Lion doesn't offer any extra features that balance out the hassles you are experiencing, you should downgrade back to Snow Leopard. You can do that with a clean install from the Snow Leopard DVD, but you'll need to back up your data and applications first.

## "Why has Lion rejected my ebook reader?"

**Q I've upgraded to Lion, and now my Rockchip ebook reader no longer appears. I've tried rebooting in 32-bit mode (and checked that it happened using the system info) but still the ebook was not visible, and therefore not usable. Any ideas? Or will Apple sort itself out?**

**Anton Petre, New Zealand**

**A** It's debatable whether this is Apple's problem to sort out. Part of what makes the Mac more reliable than a PC is that it's a closed platform with a narrower range of supported hardware and software. We live in a world where choice is presented as an unequivocal boon, but the freedom to choose between lots of bad things isn't as good as being forced to use just one or two good ones. Of course, that argument would hold a lot more water if Lion hadn't introduced lots of bugs and resource hogs, and it's possible that lack of support for Rockchip ebook readers is just another bug in Lion, rather than a decision to streamline the feature set of OS X.

Nevertheless, I think it is unlikely that we will see this fixed, either in an update to Lion or a patch for the Rockchip firmware. The market is too small in either case.

»

# Securely delete files

### Ian Osborne

Deleting files from your Mac is easy. Just drag them into the Trash, or right-click on the file and choose **Move to Trash** from the contextual menu. If you need that file after all, you can retrieve it by opening the Trash and dragging the file you want out of its window. Trash works like a folder – a file placed in it is still on your hard drive, though you can't open it without first dragging it out.

To empty the bin and delete the files, right-click or click and hold on its Dock icon and select **Empty Trash**. You can also use the cog pull-down in the Trash's *Finder* window, or the *Finder* pull-down menu. But as savvy computer users know, even this doesn't remove the file from your hard drive. Instead, it makes the occupied space available for reuse. Until the portion of the hard drive that stored the deleted material is written over again, the file, folder or app can be retrieved using recovery tools such as *DiskWarrior 4* and *Data Rescue 3*. But there are ways of deleting files securely, so they can't be recovered.

To empty your Trash securely, in the *Finder* pull-down menu in the top bar, select **Secure Empty Trash**. Alternatively, hold ⌘ while emptying it from the Dock.

> *"It's a great way of deleting sensitive information… and it meets US Department of Defence security standards"*

Instead of just making the space available for future use, it's overwritten seven times. This take's longer, but it's a great way of permanently deleting sensitive information. According to Apple, it meets United States Department of Defence security standards.

To securely erase a hard drive or USB flash stick, in *Disk Utility* (Applications > Utilities), click on the disk or volume you wish to erase, then select the **Erase** tab. Press the **Security Options** button and set the slider to the level you wish to use, trading security for speed. At the fastest setting, the files aren't securely deleted at all. The next quickest writes a single pass of zeros over your erased data, with the second-slowest option making three passes over the drive. The slowest but most secure option overwrites the data seven times. This can be slow, but it's extremely secure. If you select a volume, you can use the **Erase Free Space** button. This overwrites all space not currently filled, thereby securely removing material you've already deleted. Again, you can choose how much security you wish to use by setting the slider. ●

**Ian Osborne always deletes his files securely – this harks back to his boyhood when secret plans he had drawn up were stolen by an evil villain in an attempt to destroy the world.**

## » QUICK TIP

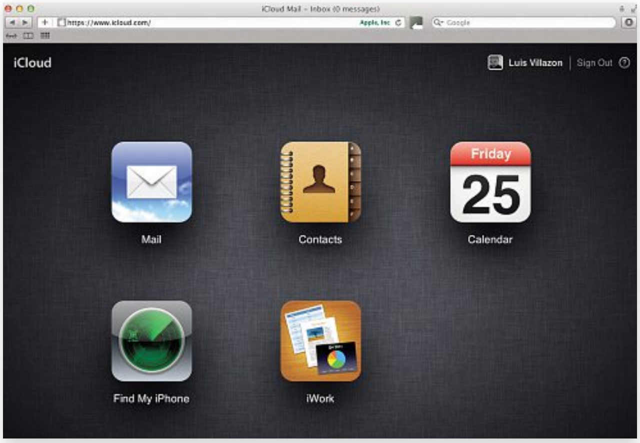
When you're positioning icons on your desktop, they can "snap to grid" based on the preference setting in the folder's view options. You can override this by holding down ⌘ as you drag. This reverses the snap-to-grid setting for that drag operation.

## "How do I sync email between my two Macs"

**Q I have an iMac and have recently bought a MacBook Air as I travel a lot. I want to be able to synchronise the two machines, as I work on the MacBook while I'm away, and on the iMac when I'm in the office. I need both machines to be up to date with each other, and they are both on OS X Lion. What is the best and least intricate way of keeping them synced? It would seem that *Chronosync* can do a good job on 'My documents' but my problem is the email account. I intend to use an exchange server that will keep my inbox on both machines, as well as my Blackberry, up to date, but not my saved *Outlook* folders.**

**Blair Illingworth**

**A** The best and least intricate way is to switch to a MobileMe email address and swap your Blackberry for an iPhone. This will let you use iCloud to sync your email seamlessly, and, if you don't mind converting all your documents to *iWork*, you can access your documents this way. That would be the least intricate way, because Apple created iCloud for this express purpose. However, I have never met anyone who was prepared to do this. Everyone has at least one non-Apple member of their device family that has to be accommodated, and as soon as the circle is broken, a lot of the magic of iCloud fades away. The next best thing you can do is probably use Gmail as a go-between for your email. Persuading Outlook and Gmail to cooperate with each other can feel like forcing magnets together with the same poles facing each other, but it's a lot better than it used to be. Head over to http://bit.ly/tyZa for a useful guide.



**You'll benefit the most from iCloud if you stay 'in-house' with your devices.**

## "Pages is not downloading properly…"

**Q Despite numerous attempts I am unable to download *Pages*. The icon appears and I manage to get to the final point where the application should install but it simply disappears. I cannot find it anywhere using Spotlight and it certainly isn't in the Applications or Utilities folders. My machine is a MacBook Pro, running 10.6.8. We have tried opening dummy accounts, changing my Apple Store password, deleting all manner of files, but despite all of that nothing seems to work. Do you have any suggestions?**

**Tom Evans**

**A** I actually have a reminder I always set for myself, and that is to remember to check my email folder for any other messages from the same reader. I was just in the middle of trying to duplicate your problem on various Macs when I found your follow-up email:

"I'm glad to say that this problem has now been resolved. It turned out that my hard drive was corrupted,

## » MACFIXIT TIPS / Managing and installing applications distributed with DMG files

When you purchase an application or download it from a the internet, you will see it will download as a DMG file instead of the application itself.

The file will most likely be named similarly to the application, and some people may be a bit confused about how to use what they have downloaded.

Traditionally, software has been distributed on physical media, such as CD-ROMs, which are read-only and ensure the software on them is as the developer intended. These days, with broadband internet, software can be more readily downloaded, but developers still have to ensure the software is received intact. If they just allow the software to be downloaded as is, then corruption may happen to it in transit; it can also be tampered with as it resides on the developer's servers.

Disk image files (of which DMG is one type) help prevent these problems by offering a way to package data in a relatively secure manner. These files mimic the function of a physical disk, and behave similarly in that the system interprets you opening them as if you have just inserted a CD-ROM into your computer. To close them you simply eject them as you would disconnect an external drive or eject a CD-ROM. The difference is that the DMG file itself remains on your computer, unlike a CD-ROM that is removed when ejected.

In addition to behaving like a physical disk, DMG files have the benefits of verifying their contents' integrity when they're opened, offering the ability to compress their contents, and also having read-only options so they will serve one purpose and not be easily modified.

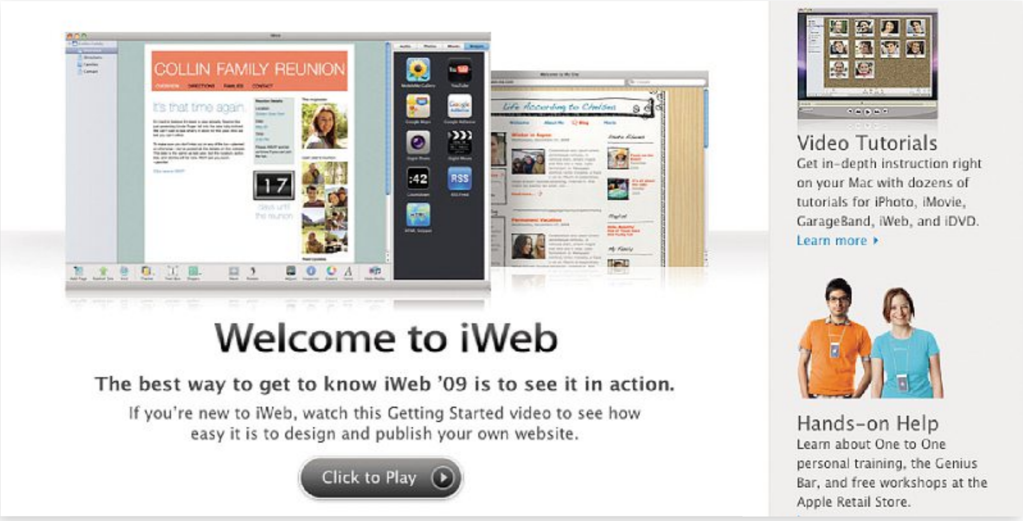
Unfortunately, the move to regularly using DMG files for distributing applications has some people a bit confused on how to use them. I've also seen instances where people have populated their **Applications** folder with DMG files they have downloaded, and after a days' use they may have numerous disk images mounted on their system from which they are launching their various programs.

Here's some tips on how to manage any of the files that you download, especially if they are distributed in DMG files.

### 1. Locate the file

After you have downloaded the file, check the location where you downloaded it and find the DMG file itself. In some instances the file may open immediately, but this is not always the case. An easy way to do this is to check your browser's **Downloads** history, which in *Safari* can be accessed either in the 'Window' menu or by clicking the downloads button in the *Safari* toolbar (this should be in the upper right of the window and look like an arrow pointing downward). In the **Downloads** history, click the magnifying glass icon next to the downloaded file probably from data I migrated from my old Mac. Using the repair system my MacBook has now been cleaned and made good and everything is now 100%. I must pay tribute to the persistence, tenacity and patience of the AppleCare telephone service in sorting this out. It took about five lengthy telephone calls to do it. They were absolutely superb: nothing was too much trouble and they called back at the end to ensure everything was okay with my MacBook."

I'm including your question anyway, because it just demonstrates that the blanket advice to 'repair permissions' really does fix problems in the oddest of circumstances.



Welcome to iWeb

The best way to get to know iWeb '09 is to see it in action.

If you're new to iWeb, watch this Getting Started video to see how easy it is to design and publish your own website.

Video Tutorials

Get in-depth instruction right on your Mac with dozens of tutorials for iPhoto, iMovie, GarageBand, iWeb, and iDVD.

Hands-on Help

Learn about One to One personal training, the Genius Bar, and free workshops at the Apple Retail Store.

**iWeb is simple to pick up and even includes a five-minute video to show you how to build a basic website and upload it.**

## "My e-learning course needs certain software"

**Q I have stared an e-learning course on a website called Alison.com, showing how to create your first web page. However, I am using OS X 10.5.8 and part of the course instructs you to download certain software. At the moment it is asking me to download *Irfanview* but when I do this it just does not work. Why is this?**

**Derrick Grant**

**A** Because *Irfanview* is a Windows program, which is a different operating system from the Mac OS series (Leopard in your case). There are emulation programs such as *WineBottler* (http://winebottler.kronenberg.org) that will allow you to run some Windows applications on a Mac, but that's not really a satisfactory solution in your case. You are following an online tutorial for creating websites on a PC. And what you really want to do is learn how to create websites on a Mac. A lot of the basic principles are the same but the tools you'll use are a little different. For simple websites to share with friends and family, *iWeb* (which comes with your Mac) makes this very easy to do. It's too easy to justify a full online tutorial, really, but there are some instructions to get you started at www.apple.com/support/iweb/web. If you want to progress to creating more complex websites than *iWeb* allows, you can try: www.beautifullife.info/web-design/20-apple-inspired-tutorials-for-practice-web-designers. »

### »QUICK TIP

Restrict Spotlight searches to certain document types by including kind:<doctype> in your search text. Replace <doctype> with app, contact, folder, email, event, image, movie, music, PDF, preference, bookmark, font or presentation.

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to reveal it in the *Finder* (this function may be different for each browser you use).

### 2. Open the file

Double-click the file to open it, and you should see it mount and display as if you plugged in an external drive or inserted a CD-ROM. If the file is already open, then the *Finder* will just show you the window for it instead of mounting the file multiple times.

### 3. Install the application

Here is where there are two options. In some instances, developers place the application in a ready-to-use state in the disk image, where you will see the application's icon (or a folder containing it) and if you open the application it will launch and run as you would expect. In these cases the program will still need to be installed on your computer and not be kept in the disk image file, so drag it from the disk image window to your **Applications** folder. When you do this, you may be prompted to supply your administrator username and password because the **Applications** folder is somewhat protected.

The second option is if the contents of the disk image are an installer for the application, instead of the application itself. In this case the installer's icon may look like a little yellow-orange box, but if not then its name should contain the word 'installer' to identify it as such. Open the installer and follow the on-screen instructions for installing the program.

### 4. Eject the DMG file

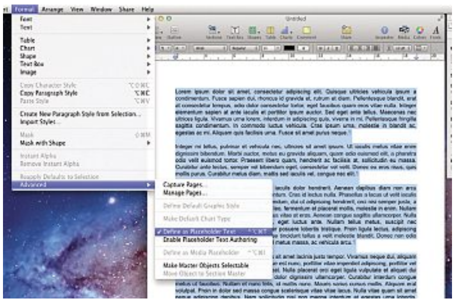
Once you have installed the program that is contained on it, you can close down the DMG file's window and then drag the disk image to the Trash or click the **Eject** button in the *Finder* sidebar to eject it.

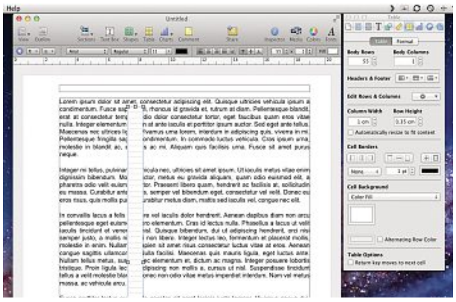
At this point you can now open the program from your **Applications** folder, instead of opening it from the DMG file itself. You now can delete the DMG file if you would like, but you may prefer to store it on an external drive or in another safe location in case you need to reinstall the program again. While many developers offer the option to redownload the DMG file, it is sometimes more convenient to have it around.

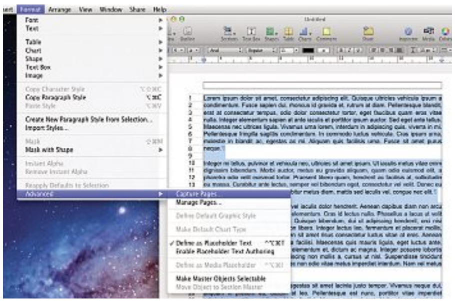
As a final thought, if you have in the past dragged entire DMG files to your **Applications** folder, then go to the folder and see if any that are present there. If so then follow these instructions to open it, install the application contained within it, and then properly store or discard the DMG file so it does not clutter your system or take up space.

MacFixIt
Troubleshooting Solutions for the Macintosh
**Tips supplied by MacFixit.com**

## HOW TO / Add line numbers in Pages







### 01 Create a dummy page

*Pages* doesn't have auto line numbering but some docs need it. To create your own, fill a page with dummy text, select it and use the **Text Inspector**, **Text Tab**, to set the **Line Spacing** to **Exactly**. Click Format > Advanced > Define as Placeholder Text.

### 02 Add line numbers

Insert a **Table** and use **Table Inspector** to make a column and rows. Turn off the header row and cell borders, set the column width to 1cm. In **Wrap Inspector** make sure the table is floating. On the **Text Inspector**, set the **Inset Margin** to **0**.

### 03 Save it as a template

Move the table to the left of your text and drag the bottom-centre handle down until the cells align with your text. Type in the line numbers, one for each cell. Click Format > Advanced > Capture Pages, and give it a name, then File > Save as Template. ●

## MACFIXIT TIPS / Remove accounts with Directory Utility

User accounts in OS X are managed by default through the **Accounts** system preferences (**Users & Groups** in Lion), where you can add or remove them, or change properties such as administrator status via a simple interface. However, sometimes, when you are trying to delete an account, the system may be stubborn and refuse to allow this action, so the account reappears when you next launch the system preferences.

This type of problem generally means the system preferences cannot properly access the system directory, which can happen if corruption or permissions faults occur when you upgrade the operating system software or make other major changes.

If you experience problems when trying to remove accounts on your system, there are several things you can try:

### 1. Check permissions

The first and easiest step is to open *Disk Utility* and perform a permissions fix on the boot volume: select the boot volume, and click the **Repair permissions** button in the **First Aid** tab. If a permissions fault is making the directory files and folders readable but not allowing edits, then your ability to modify accounts may be affected.

### 2. Try creating a new account

Creating a new account on the affected system may clear problems with the directory, as this will write a new node to the directory and perhaps spur the system to access it properly.

### 3. Use another directory management tool

A last option is to bypass the system preferences when trying to delete a user account, and use the *Directory Utility* tool that Apple provides with OS X. In some situations, it may be better equipped than the system preferences for managing the directory.

The *Directory Utility* can be found in the **/Macintosh HD/System/Library/CoreServices/** folder, so launch it and then follow this procedure to clear stubborn accounts:

First select the **Directory Editor** in the utility's toolbar, and then ensure you are viewing the Users in the node **/Local/Default**, which will list all of the local users on the system. Then click the little lock icon and authenticate as an administrator. After doing this, you will see a number of users listed, but most of these are system accounts that are used for various services, such as file sharing, audio management and authentication management.

In this list you should be able to find the name of the user account you would like to delete. Select it, and then click on the minus button in order to delete it. Confirm that you want to remove the account, and then go to the **/Macintosh HD/Users/** directory on the hard drive and remove the user's home folder to finish the deletion process.

MacFixIt
Troubleshooting Solutions for the Macintosh
**Tips supplied by MacFixit.com**

## "Making more space for my videos and photos"

**Q** **I have a MacBook Pro that is 75% full and since installing Lion is taking a long time to open up, especially in *iPhoto* and *iMovie*. Can I make space on the Mac by moving photos and movies onto an external drive, and bring onto the computer whatever images I want?**

**I bought a G Drive, which works with *Time Machine*, to back up my Mac every day. But I noticed it removes the oldest files when it gets full, so I guess at some point it would remove my images if I stored them on there?**

**Terry Porter**

**A** Definitely don't use *Time Machine* as actual storage. It's designed for backing up files in case you accidentally delete something or your hard disk fails. It will just keep adding new backups until the disk is full and if you delete a photo from your Mac, it won't be included in any backups from that point on. At some point in the future, the G Drive will be full and then *Time Machine* will start deleting the oldest backups. When the only backups left on the drive are those made since you deleted that photo, there won't be a copy of the photo on the backup drive anymore.

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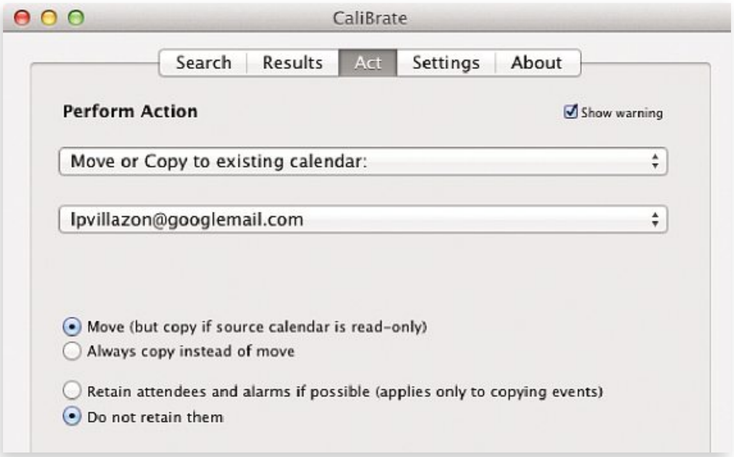
www.crucial.com
Removal will void Warranty
63107

Stuck? A spatula, loo roll or springy wire might do the trick.

## MEMORY MATTERS / Fitting new RAM

**Q** **I was upgrading the RAM in my MacBook. I'm pretty sure I got the right size as I matched my model number. It was a bit of struggle getting the modules to pop up, but they did. I replaced them but only one was shown as working. So I opened the computer, tried over and over, then got the top one jammed. I can't get it to move at all now. The gold bit is touching but it's not fully in and the opposite side is wedged firmly against the 'wall'. I can move it up slightly and down again but that's about it. I plan to go to a shop and seek help but there aren't many options in Eastern Europe where I am now. I was thinking about getting a pair of pliers but am concerned about damaging the machine.**
**Juan Huitz**

**A** At this stage though, what are your options? Either you or the computer shop is going to need to pluck up the courage to tug that RAM out firmly enough to free it. I doubt the computer shop will be prepared to indemnify you against any damage this causes, so you might as well do it yourself. Try threading some strong springy wire to see if you can loop it around the bottom of the module and pull it out that way. Or, you might have some luck gluing something thin and flat, but strong, like a metal fish slice or spatula to the exposed side of the module. This might not leave the module in a usable state afterwards but a new RAM module is far cheaper than a new MacBook. If that doesn't work, just wrap the pliers in a few layers of toilet tissue, to reduce the chance of cracking the RAM chips, then pull hard. Make sure you video the entire process. If you are going to wreck your MacBook, you'll at least want to get a decent number of YouTube hits out of it.



Perform Action

☑ Show warning

Move or Copy to existing calendar:

lpvillazon@googlemail.com

● Move (but copy if source calendar is read-only)
○ Always copy instead of move

○ Retain attendees and alarms if possible (applies only to copying events)
● Do not retain them

Filter and search appointments over all your iCal calendars and make batch changes.

That might take a long time to happen, if the G Drive is much larger than the hard disk on your Mac, but it will definitely happen eventually.

But you can certainly use another external drive as overflow storage for your Mac. Don't get one with network access – it's more expensive than a regular USB drive and you'll find it too slow for moving large files back and forth. You don't need to actually move each photo or movie project back from the external drive to the internal hard disk on your MacBook though. It's perfectly feasible to leave them on the external disk and work on them there. When you get your new disk, use *Disk Utility* to format it for the HFS Extended filing system, which will give you better performance on your Mac. To move your photos, open *iPhoto* with the ⌥ key held down. This will prompt you to create a new Library, which you can do on the new disk and then import all your photos from the original **~\Pictures\iPhoto Library** using **File > Import to Library**. When you have moved them across, you can delete the originals. *iPhoto* will default to the last library you accessed from now on, so you'll be able to work on your photos on the external disk. To move the *iMovie* projects, click the hard disk icon at the top of the list of Events in the **Event Library** window, so that your events are grouped according to the hard disk they are on. Now drag your projects from one disk to another. This will pull up a dialog asking whether you want to copy just the project or the project and events. You want the latter. When the copy is complete, you can delete the original using File > Move Project to Trash.

## "Syncing Google calendars with iCal on my Mac"

**Q** **I want *iCal* to sync with Google calendars so I can get it on my phone. I have set it up by going to Preferences > Accounts > Add, which I have done successfully (it says CalDAV) and it's enabled. If I click Calendars, a list pops up showing all my calendars: on my Mac, MobileMe and Google. Only the events under the Google calendar are synced. So I would have to have all my events under the Google calendar, which is not something I want because I have dozens of events already specified to other calendars.**
**Harry Jones**

**A** Google calendars and *iCal* are to some extent competitors, because Apple wants you to use iCloud to publish your calendars to the web (you can do this already if you have an iPhone). There are shareware apps that will get around this but this is an important function, so you aren't going to get it for free. The money-rich, time-poor solution is to use the $50 *BusyCal* (www.busymac.com) to automatically republish your *iCal* calendars across to the Google one. Or you might prefer *Calibrate* (www.woodenbrain.com). For the $8 price you can copy existing calendar entries over to the Google calendar in a few clicks, rather than editing each one. ●

### QUICK TIP

If you have data stored on iCloud, you can still access it from Vista and Windows 7. Go to **www.apple.com/icloud/setup/pc.html** to download the iCloud Control Panel on your PC.

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NIKON SKILLS
8 video lessons to help you master your Nikon
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Key kit explained
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AND READ AN EXCLUSIVE DIGITAL PREVIEW

*"Revo's K2 delivers a sound that belies its small form factor. For a compact £300 device, it's among the best we've heard."*

**REVO K2 P89**

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# Reviews

● HARDWARE ● SOFTWARE ● iPHONE APPS ● SHAREWARE ● GAMES

Ian Osborne
**Reviews Editor**

There's nothing worse than buying a new technology product and having to keep the instructions handy for months; although it does everything you ask of it and does it well, it's clearly not instinctive in operation.

Revo's audio products have a well-earned reputation for ease of use. When you've set up the K2's radio, streamer and iPod dock, you're likely never to need the manual again. If you read our review on page 89, you'll see it has a sound quality to match its intuitive interface, and it's great-looking too.

Our other major hardware review will be of interest to anyone who wished they could enjoy a two-monitor setup on their MacBook while on the move. This USB-powered monitor fits on the back of your notebook's lid and folds out to give you a second display. Alternatively, have it facing away from your MacBook for presentations, or detach it completely and use it in portrait mode. As Matt Hanson notes on page 91, the screen quality isn't stellar, but it's great for housing your menus and palettes while you work on your main display.

### >> OUR LOGOS

Mac FORMAT Choice ★★★★★ A product that receives the MacFormat Choice award is the best in its class when reviewed.

Mac FORMAT Winner! Used in our Group Tests, MacFormat Winner indicates the product that we feel stands out.

Mac FORMAT On the disc This logo indicates there are either test versions or files associated with the review on the disc.

**RATINGS EXPLAINED:** ★★★★★ Excellent ★★★★☆ Very good ★★★☆☆ Good ★★☆☆☆ Adequate ★☆☆☆☆ Poor

>> PORTABLE HARD DRIVE

# Western Digital My Passport Studio 1TB

**£110** The smartest of portable WD drives

**Unlike previous My Passport drives, this boasts an all-metal casing.**

## KEY INFO

**Manufacturer:** Western Digital Corp
www.wdc.com

## SPECIFICATIONS

**Capacity:** 1TB **Form factor:** 2.5-inch **Interfaces:** USB, FW800 **Dimensions:** 12.6x8.4x1.9cm

## PROS & CONS

- ⊕ Large capacity
- ⊕ All metal enclosure
- ⊕ FireWire and USB
- ⊖ Could be faster

## VERDICT

★★★★½

**"This sturdy drive offers a great capacity and solid performance."**

This pocket-sized portable drive is well designed and robust. Eschewing Western Digital's book-shaped plastic casing, the latest My Passport Studio drive is all metal, with a brushed aluminium chassis and matt black lid. It looks fantastic and doesn't pick up fingerprints. The version we're reviewing here is 1TB in capacity, and offers both FireWire 800 and USB connectivity. Like all FireWire 800 drives it can also be connected to a FW400 port, but you have to supply your own lead or adapter. Perhaps surprisingly, USB connectivity is through Micro-B USB, a standard that's becoming de rigueur for mobile phones, but is less common on hard drives. A couple of applications are bundled. *WD Drive Utilities* lets you run diagnostics on the drive, set a sleep timer, wipe it clean and register your purchase. With *WD Security*, you can password-protect your data to keep it from prying eyes.

Unlike the 7200rpm Iomega eGo reviewed below, the My Passport Studio 1TB uses a slower 5400rpm hard drive. This is reflected in our benchmarking tests' random average read/write speeds. Using a FireWire 800 connection, the Western Digital drive gave us 7.905/14.822MB/s, and with USB, 7.623/12.365MB/s. These speeds are entirely acceptable, but can't match the eGo Portable HD Mac Edition's 7200rpm hard drive.

If you're likely to spend a lot of time copying large files to and from your portable hard drive, the Iomega eGo Portable HD Mac Edition might be worth the extra money. But for most users, the Western Digital My Passport Studio 1TB is the superior option.

**Ian Osborne**

>> PORTABLE HARD DRIVE

# Iomega eGo Portable HD Mac Edition 500GB

**£129** A speedy drive that offers value for money

**Iomega Portable HD Mac Edition 500GB is styled to match your Mac.**

## KEY INFO

**Manufacturer:** Iomega Corporation
http://go.iomega.com

## SPECIFICATIONS

**Capacity:** 500GB **Form factor:** 2.5-inch **Interfaces:** USB, FW800 **Dimensions:** 13.5x9x1.9cm

## PROS & CONS

- ⊕ Speedy 7200rpm HDD
- ⊕ Drop Guard protection
- ⊕ FireWire and USB
- ⊖ Expensive for 500GB

## VERDICT

★★★½☆

**"A capable drive for those who want a little more from their portable storage."**

Although Iomega's Portable Hard Drive Mac Edition costs a little more than most 500GB drives, you're getting a lot for your money. With brushed aluminium sides and black plastic base and top, it looks great next to your iMac or Apple Display. The hard drive itself is a speedy 7200rpm model, which tops the the more common 5400rpm HDDs used in most portable drives, and it boasts both FireWire 800 and USB 2.0 connectivity. A FW400-to-800 cable is included, along with a standard FW800 lead, and the USB cable has two Type A plugs for when extra power is needed.

Like most recent Iomega drives, it comes supplied with a downloadable suite of applications. You get a 12-month free subscription to *Trend Micro Smart Surfing for Mac*, MozyHome Online Backup (2GB free) and Iomega's own *QuikProtect* backup software. You also get a Drop Guard case, which protects the drive against falls of up to seven feet, and if you download the Iomega encryption application, you can protect your data with AES 256-bit security.

The 7200rpm drive proved its worth in our benchmarking tests, where it achieved random read/write speeds of 11.175/16.519MB/s under FireWire 800, and 11.326/12.491MB/s with USB.

Our only reservation is the price. The Western Digital portable HDD also reviewed on this page is twice the capacity and costs less. That's not to say Iomega's is poor value for money. Far from it. But if you don't need the higher transfer speeds, you're probably better off with a larger capacity or a cheaper drive.

**Ian Osborne**

>> RADIO, iOS DOCK AND MUSIC STREAMER

# Revo K2

Mac FORMAT Choice ★★★★★

**£300** Is Revo's most ambitious project to date also its best?

REVO
iPod
15:09
Docked
Today's Date:
02/12/2011
K2
Orange
12:01
Kings Of Leon
Radioactive
Come Around Sundown
KINGS OF LEON
COME AROUND SUNDOWN

Designing an audio product presents manufacturers with a dilemma. Do they forego convenience and build a great-sounding but bulky system, or sacrifice audio quality in favour of a smaller footprint?

Thankfully, Revo's new K2 iOS dock, radio and audio streamer makes no such compromises. K2's square-shaped base with sides of just 10.6cm and two alarm settings make it ideal for your bedside table. But its brushed aluminium bodywork, black rubber details and invisible-until-lit OLED means it looks good just about anywhere. Its 30-pin connector can be retracted when not in use, and can hold any iPod or iOS device, including an iPad. DAB/DAB+ and FM with RDS radio formats are covered, as is internet radio, Last.FM (a month's free trial supplied) and streaming audio from your Mac or any DNLA-compliant source.

You can join it to a home network through Ethernet or Wi-Fi, and connect it to an existing stereo setup through RCA or digital optical out. There's also AUX-in, a headphone socket and a composite video-out port for watching iPod videos or slideshows on your TV. A handheld remote augments the neat on-board buttons.

Sound quality is excellent. Its stereo effects are surprisingly good given the narrow form factor, and thanks to the rear-mounted bass port, the low end of the sound spectrum is clear and crisp. The audio as a whole is complete and lively, with a detailed top end, bouncy mid-tones and a near 360-degree dispersion. The user interface deserves a mention too. Revo products are famed for their accessibility, and the K2 is no exception – steady improvements make it the best yet. If you have a sound system you're not using to its fullest because you can't be bothered to keep dipping into the instructions, you should have bought a Revo.

> *"You can join it to a network through Ethernet or Wi-Fi, and even connect it to an existing stereo setup"*

Revo's K2 delivers a sound that belies its small form factor. It's possible to get more out of bigger, more expensive systems, but for a compact £300 device, it's among the best we've heard.

**Ian Osborne**

## KEY INFO

**Manufacturer:** Revo
www.revo.co.uk

## SPECIFICATIONS

**Drivers:** 4x5.8cm **Maximum output:** 40W **Frequency response:** 85Hz to 20kHz **Inputs:** DAB/DAB+, FM, Internet radio, iOS dock, AUX, streaming music **Dimensions:** 33x10.6x10.6cm **Weight:** 3.2kg

## PROS & CONS

⊕ Extremely versatile
⊕ Excellent sound
⊕ Small footprint
⊕ Comprehensive options

## VERDICT

★★★★★

**"An excellent blend of form and function, the K2 sounds as good as it looks."**

**Towering sound – the K2 has enough outputs to sate even the most hungry audiophile.**

Photography: Phil Sowels

>> ADSL ROUTER

# Cisco Linksys X3000 Advanced Wireless-N ADSL 2+ Modem Router

**£110** Too high a price for a quality router?

## KEY INFO

**Manufacturer:** Cisco Systems
http://bit.ly/tsHWu9

## SPECIFICATIONS

2.4GHz Wi-Fi; 802.11b,g,n, WEP/WPA/WPA2 encryption, 4x10/100Mbps Ethernet, 1xUSB 2 port

## PROS & CONS

- ⊕ Easy setup for fast connectivity
- ⊕ Strong wireless signal
- ⊕ Plethora of ports
- ⊖ Relatively pricey

## VERDICT

★★★★☆

**"A top router let down by one thing: the price is slightly over the odds."**

**The X3000 is sleek and has plenty of features at a premium price.**

Virtually every internet service provider will supply you with some kind of free or cheap modem when you sign up with them. However, unless you're paying a premium for your internet service, 'cheap' is likely to be the most important word: the quality of the hardware, software and performance isn't likely to be stunning.

If you want to maximise your net connection, then, or if your old device simply gives up the ghost, a decent quality modem/router is a worthwhile purchase. And there's no bigger name in network equipment than Cisco.

The Cisco Linksys X3000 is the higher-end model in a new range of routers. Supporting both cable and ADSL 2+ connections, it's a sleek-looking thing. It's thin and small, yet comes with a full complement of four Gigabit Ethernet ports, support for 802.11b/g/n, and a USB port that lets you connect and share storage.

Setup is simple. Cisco has created some configuration software specifically for the Mac (dubbed *Cisco Connect*) which actually works really well. Performance, too, was good. We compared the Wi-Fi strength using 802.11n with an Apple Time Capsule, and the X3000 consistently delivered higher signal strength and therefore speed. Connection speed over ADSL 2+ was always solid and reliable, with no line drops.

Overall, the X3000 is a well-made, easy-to-use router with all the features you're likely to need. Its one issue is that it's a little on the pricey side, but you can at least see the quality you're paying for.

**Ian Betteridge**

>> iOS BABY MONITOR

# Withings Smart Baby Monitor

**£269** Keep an eye on the kids – or your house

## KEY INFO

**Manufacturer:** Withings
www.withings.com

## SPECIFICATIONS

3MP camera with night vision
**Weight:** 290 grams **Width:** 90mm
**Height**: 62mm **Depth:** 90mm

## PROS & CONS

- ⊕ Packed with features
- ⊕ Night vision
- ⊖ Pretty expensive
- ⊖ Other apps can disrupt it

## VERDICT

★★★☆☆

**"Works well if you're not using other apps, but it isn't exactly cheap."**

T-Mobile
07:34
ON
Menu
21.6°C
58%

**Want to keep an eye on your little ones? This could be the device you're looking for.**

Did you know you can use your iPhone or iPad as a baby monitor? Neither did we until we came across this device. It connects over Wi-Fi, and via the free app, streams video of your little one from anywhere you can get an internet connection – even over 3G.

The app doesn't just stream video though. It tells you all sorts of other things, such as the humidity, temperature and noise levels in the baby's room. And you can get it to issue alerts for all these different readings. The camera can take a picture, and you can play a lullaby or speak to your child to soothe them back to sleep with the sound of your voice. The 3-megapixel camera also has an essential night-vision mode.

The setup procedure was refreshingly easy and we were soon up and running. The picture quality isn't particularly high, but it was good enough for its intended purpose, and the night vision worked well. We also really liked the ability to talk through the unit from our iPhone.

The app keeps the audio going in the background, so you can keep listening even when you're using your email client or browsing the web. But the main problem is that if you start playing with more demanding apps on your iOS device you can interrupt the stream coming from the camera, and a restart of the app is required.

You could use the Withings unit as a security camera to keep an eye on your home while you're away, but there are cheaper options available if that's all you need.

**Graham Barlow**

The GeChic On-Lap Monitor is a good way to increase productivity by adding an extra screen.

Photography: Philip Sowels

>> REVIEWS DESCRIPTION

# GeChic On-Lap Monitor

**£140** Extend you MacBook's display with this portable clip-on second monitor

You might think that extending a workspace with an additional monitor is a feature only available to desktop-bound Macs, or MacBooks tethered to monitors via an awkward cable. The people at Landmarq have tried to dispel these assumptions with a convenient portable monitor.

Installation was easy, with four sturdy suckers being screwed on to the monitor housing, and then suctioned onto the back of our MacBook Air. Four stick-on plastic circles are provided if you have a Mac with a less compliant surface. The display can be folded out to use in landscape mode next to your main screen or kept rear-facing for presentations. You can also stand it next to your notebook and use it in portrait orientation.

The monitor is powered by an attached USB lead so you don't have to worry about finding a spare plug socket in a wall. A word of warning though – the GeChic On-Lap Monitor only comes with HDMI-to-mini HDMI and VGA-to-mini HDMI cables, so we needed to use an adapter for it to work with our MacBook Air. With the monitor connected and the MacBook powered up, the monitor was detected right away and our desktop was shown. Setup couldn't have been easier then, which is just as well considering the manual isn't particularly helpful.

> *"The display can be folded out to use in landscape mode next to your main screen, or kept rear-facing"*

When the monitor is tucked away behind the MacBook it doesn't add too much bulk. And while it doesn't quite match the sharpness and clarity of the MacBook Air's screen, it's not too bad. In our tests the default settings performed badly colour-wise, but they were easily fixed. But if you're working with images and photos and depend on the best possible image quality, we wouldn't recommend the GeChic On-Lap Monitor – certainly not as the main monitor anyway.

On the other hand, if you want an easy way to add more space to the desktop for extra programs and websites to be open at once, this is a handy gadget for a pretty good price.
**Matt Hanson**

## KEY INFO

**Distributor:** Landmarq Technologies Limited
www.landmarq.co.uk

## SPECIFICATIONS

**Screen size:** 13.3 inch,
**Resolution:** 1366x768
**Dimensions:** 355x227x13.8mm
**Weight:** 865g

## PROS & CONS

⊕ Light
⊕ Easy to install
⊖ Not great image quality
⊖ No Micro-DVI support

## VERDICT

★★★☆☆

**"Does what it sets out to do, but its screen can't match a 'real' monitor's."**

>> WATERPROOF COMPACT CAMERA

# Kodak Playfull

**£80** A low-risk option for water-based stills or video

## KEY INFO

**Manufacturer**: Kodak
www.kodak.co.uk

## SPECIFICATIONS

**Resolution:** 1MP still, 1280x720p video **Lens:** 31mm equivalent **Electronic viewfinder:** 2in 112.3K LCD **Supported file formats:** JPEG, MPEG4

## PROS & CONS

⊕ Easy to use, even with gloves
⊕ Affordable watersports camera
⊖ 1MP still images lack detail
⊖ Digital zoom degrades image

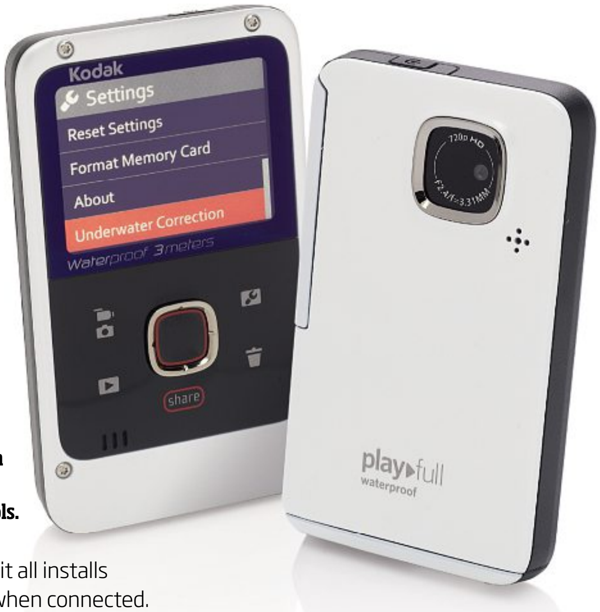
## VERDICT

★★☆☆☆

**"Get reasonable video footage and small stills without the expense."**

Shooting stills or video footage doesn't get any easier than using the Kodak Playfull as just about everything is fully automated. You just press the large record button, which falls conveniently under your thumb when the camera is held upright like a mobile phone, and you're off.

Although images can't be uploaded while you're out and about, the Share button tags images (via email, Twitter, Facebook, Flickr, Kodak Gallery and so on) so when the camera is next connected to the computer they are shared. The options are inputted via the computer when the camera is first set up, so it's all very straightforward. The camera comes with an in-built USB cable concealed within a secret section and the computer software is stored on the camera, so it all installs automatically when connected.



**The record button is surrounded by navigation controls.**

Its price and waterproof credentials (down to 3m) mean the Playfull is designed for shooting video and stills where you wouldn't want to take a serious camera, but at 1MP the images are only suitable for viewing on the computer. The 1280x720 pixel video footage is only reasonable for a camera of this type and price, but the sound quality is impressive.

With no flash, this isn't the camera to take on nights out and to parties. But images taken in good light are acceptable, with decent colour. However, light smudging of complex patterns and details is noticeable even at normal viewing sizes, and we recommend leaving the digital zoom control alone.

**Angela Nicholson**

>> MULTIFUNCTION PRINTER

# Kodak Hero 9.1

**£184** Introducing Kodak's new printer range

## KEY INFO

**Manufacturer:** Kodak
www.kodak.com

## SPECIFICATIONS

**Resolution:** 9600 optimized DPI **Supported memory card formats:** SDHC, MMC, MS **PictBridge support:** Yes **Dimensions:** 44.5x43.2x23.1cm **Weight:** 8.5kg

## PROS & CONS

⊕ Feature-packed
⊕ Good photo printing
⊖ Flimsy build
⊖ Poor plain-paper images

## VERDICT

★★★½☆

**"A great printer from the Kodak stable, but not without its drawbacks."**

According to Kodak, its printers are expensive to buy but cost-effective to run. But this top-of-the-range Hero 9.1 model is less than £200, which is perfectly acceptable. And its inks only cost 1.25p per page for black and 2.15p for colour. It's Google Cloud Print ready, and you can print files by emailing them to a unique address. There's a free *Pic Flick* app for printing from iOS and Android devices, but the printer is not yet AirPrint-compatible. Other key features include wireless and Ethernet network connectivity, a 4.3-inch colour touchscreen and automatic duplex printing.

The Hero 9.1 uses two ink cartridges, a single black and a five-tank colour unit. This means when one colour ink is drained you have to replace them all, though the amount of wasted ink is generally small. Photo printing is very good, with crisp, clear colours, sharp detail and smooth gradient ramps. Yet plain paper image printing is terrible, with dull, lifeless colours and noticeable speckling. Its pigmented ink makes for clear, vivid text printing, though it's not as vibrant as a Canon or HP. Speeds are a little slow, but acceptable for a home machine, and its scanning and photocopying are very good. Build quality is a mixed bag, with the paper feeder and output tray looking especially flimsy, and it certainly won't sell on its looks.

Kodak
Kodak hero 9.1

**The 9.1 model is at the top end of Kodak's Hero range of multifunction inkjet printers.**

Despite significant drawbacks, the Hero range is a step up in quality for Kodak, and the high-end 9.1 model is no exception. It's feature-packed, reasonably priced and cheap to run.

**Ian Osborne**

**» AIRPLAY SPEAKER DOCK**

# Philips Fidelio SoundSphere

**£699** Beautiful AirPlay speaker system delivers true hi-fi quality sound in impressive style

The Philips Fidelio SoundSphere is one of the best-looking Airplay speaker systems we've ever seen – and, we're extremely happy to report, its beauty is far from skin-deep.

Comprising two forward-leaning cylindrical speakers clad in a classy gloss black, it's accompanied by a simple iPod/iPhone/iPad charging dock, remote control and all the cables you need to get it up and running quickly and simply.

Inside one of the speakers you'll find a 2x 50W RMS amplifier, while each speaker also includes a 127mm woofer for mid-range/deep bass, and a 25mm tweeter, which arcs out of the top on a hefty chrome arm that can also be used to help you move them around.

Setting up the SoundSphere is pretty straightforward. On the back of the active speaker you'll find a power socket, along with a pair of binding posts that are connected to the accompanying passive speaker using the speaker cable provided. You'll also find a 3.5mm input jack, along with controls for the SoundSphere's Wi-Fi transceiver connection so you can connect to it using AirPlay. If you want to use your iPad, iPhone or iPod touch make sure you also download the free *Fidelio* app, available from the iTunes App Store (http://bit.ly/vbS0O5). This app handily enables you to tweak the speaker's EQ settings, adjust the SoundSphere's volume and stream thousands of internet radio stations, among other things.

> *"The app lets you tweak the speaker's EQ settings, adjust the volume and stream thousands of internet radio stations"*

Using the Philips Fidelio SoundSphere with your Mac couldn't be simpler. Once its Wi-Fi connection is on, it magically appears as an AirPlay speaker in *iTunes 10*. Philips says the aim of the Fidelio SoundSphere is to recreate the experience of listening to live music – and it truly does a magnificent job. Whatever genre of music you throw at it from opera to r'n'b, folk, thrash metal and panpipes, the Fidelio SoundSphere will deliver it with wonderfully believable vocals, lashings of melodic bass and crystal-clear treble.

**Once you start playing music through the SoundSphere, you'll never want it to stop.**

The criticisms we have about the SoundSphere are really quite minor. Having to lash up a cable between the two speakers ensures it's not quite as wireless as you might like. Another tiny niggle concerns the high frequency tweeters. While the woofers are sensibly covered by magnetic grilles, the tweeters are open to the elements and to little inquisitive fingers. We suggest you position the speakers out of reach on a shelf or sideboard if you don't want them to be damaged, because we've discovered that kids are rightly fascinated by these speakers.

So should you buy the Fidelio SoundSphere? If you love music, the answer is definitely.

**Rob Mead-Green**

**AirPlay compatibility means these speakers work wirelessly with your Mac.**

## KEY INFO

**Manufacturer:** Philips UK Ltd www.philips.co.uk

## SPECIFICATIONS

**Drive units:** 1x 25mm tweeter, 1x 127mm woofer **Maximum amplifier output:** 50W + 50W **Inputs:** 3.5mm auxiliary input, iPad/iPhone/iPod charging dock **Dimensions:** 265mm (diameter) x410mm x 110 (soundbar) **Weight:** 12kg

## PROS & CONS

- ⊕ Easy to set up and use
- ⊕ Amazing sound quality
- ⊕ Great value for money
- ⊕ Copes with all music genres
- ⊖ Tweeters vulnerable to damage
- ⊖ Needs a cable between speakers

## VERDICT

★★★★★

**"Beautiful to look at, amazing to listen to, the Philips Fidelio SoundSphere is worth its high price tag."**

**Words:** Ian Osborne

01
Kensington
02
03
onanoff
RIGHT
LEFT
04

**» SOUND SPLITTER**

## iLuv 5-Way Splitter

**£18** www.i-luv-uk.co.uk

**01** With the iLuv 5-Way Splitter, you no longer have to choose between sharing your music with your friends and listening through earbuds to avoid disturbing the room. With one of these plugged into your iPhone, iPod, iPad or any music player with a headphone socket, up to five people can listen in by plugging in their earbuds. On-unit controls let you adjust the volume, pause the music and skip tracks. A 3.5mm-to-3.5mm audio cable is also included.

The 5-Way Splitter is neat and compact, so it's no trouble to carry around.

**VERDICT**

★★★★☆

**"A useful gadget that's fun to use and easy to carry around. A great solution."**

**» PRESENTATION AID**

## Kensington Presenter

**£90** www.kensington.com

**02** This wireless presenter offers significant improvements on previous Kensington presentation devices. Its ergonomic design makes it noticeably more comfortable than its predecessor. Once again it has a built-in laser pointer for picking out details in your presentation, but it's now green instead of red, and far more visible under normal lighting conditions. The 2GB of flash memory in the receiver is now on a MicroSD card, so you can increase the capacity. The receiver tucks away when not in use, and a carry case is supplied.

**VERDICT**

★★★★⯪

**"This is a welcome update that introduces improvements across the board."**

**» MUSIC RECEIVER**

## Kanex AirBlue

**£39** www.kanexlive.com

**03** This receiver brings Bluetooth connectivity to music systems that have an AUX or RCA input, but no built-in Bluetooth. After charging the AirBlue through USB (a cable is supplied), you pair it with your iPhone, iPad, iPod touch or other such Bluetooth audio device and connect it to your sound system or speaker dock using the RCA or 3.5mm cables. You can then beam sounds wirelessly.

Pairing is easy, though audio detail is compromised. It's far from poor, but compared to a 30-pin dock connection, the sound stage seems smaller.

**VERDICT**

★★★☆☆

**"Useful and competent, but this is probably not one for the audiophiles."**

**» EARBUDS**

## Onanoff Magnum

**£40** www.onanoff.com

**04** These earbuds pack in some great features. The Love:Jack plug has a built-in headphones socket, so a friend can plug in a second set of earbuds and listen in. You can daisychain up to four pairs in this way. They have an anti-tangle cord, an iPhone mic, and a bundled Magneat cable tidy that fastens to your clothes and secures loose cables.

They also sound pretty good given the price. The shape of the sound is a little narrow, and the mid-tones a mite subdued, but there's plenty of bass and they're very comfortable to wear.

**VERDICT**

★★★⯪☆

**"These earbuds have a solid (if unremarkable) sound and an excellent feature set."**

# Your favourite magazine

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>> EMAIL DESIGNER

# Mail Designer 1.2.1

## £50 Create beautiful personalised emails

### KEY INFO

**Developer:** equinux
www.equinux.com

### REQUIREMENTS

**OS:** OS X 10.5.8 (10.6.6 to buy from Mac App Store) **Processor:** Intel **Other:** Internet connection

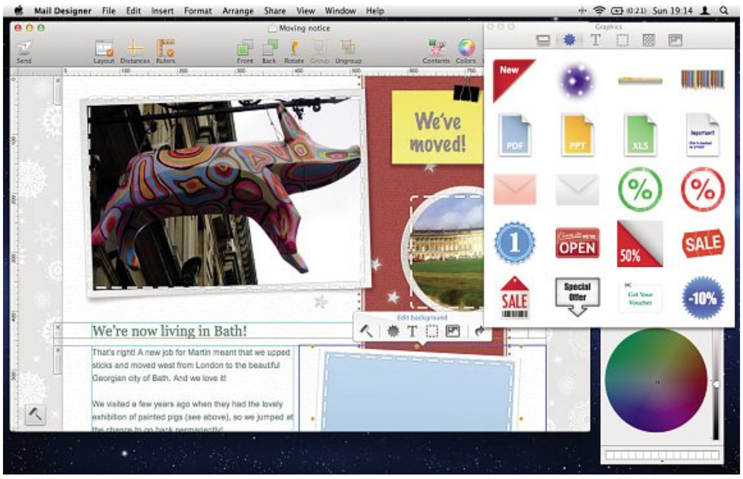
### PROS & CONS

- + Easy to use
- + Fun templates
- + Links well with Mail
- − Pricey

### VERDICT

★★★★☆

**"Does what it does well, but only buy it if you're going to use it a lot."**



We're now living in Bath!

That's right! A new job for Martin meant that we upped sticks and moved west from London to the beautiful Georgian city of Bath. And we love it!

We visited a few years ago when they had the lovely exhibition of painted pigs (see above), so we jumped at

**Creating pretty email templates is as simple as dragging and dropping into the document.**

Text emails are perfectly adequate most of the time, but sometimes you want some added pizzazz – a wow factor to impress your recipients. It's this that equinux's *Mail Designer* aims to do. There are various templates to choose from and you can buy more from equinux if you wish. Each is fully customisable, so you can tweak to suit, or clear everything out for a blank canvas. The templates themselves – of which there are 50 – are varied and fun, and there's a selection of items you can add to them, such as flashes and arrows.

Even if you haven't used any desktop publishing software before, it's fairly straightforward to pick up how it works: you drag and drop things around; buttons in the toolbar enable you to perform actions such as moving forwards and backwards. When you're done, click Send and the design's moved to *Mail* for you to write in the text, change any pictures you want to, and then send.

So what does *Mail Designer* do that *Pages* can't? *Pages* comes with a lot more templates, and these can easily be emailed as PDF files. Where *Mail Designer* shades this is the way you can alter things in *Mail* itself, where a PDF is locked down. Furthermore, *Mail Designer* templates are accessible in *Mail* any time via the Stationary pane.

Is it worth £50? Well, unless you're going to be creating an awful lot of this type of customised email, probably not. That doesn't make it a bad product: far from it. It does what it's designed to do rather well, but it's a niche requirement.

**Laurence Cable**

>> SCREEN GRAB UTILITY

# Blue Mango Learning Systems Clarify 1.0.2

## £20 Create documents based on screen grabs

### KEY INFO

**Developer:** Blue Mango Learning Systems
www.bluemangolearning.com

### REQUIREMENTS

**OS:** OS X 10.5 or higher

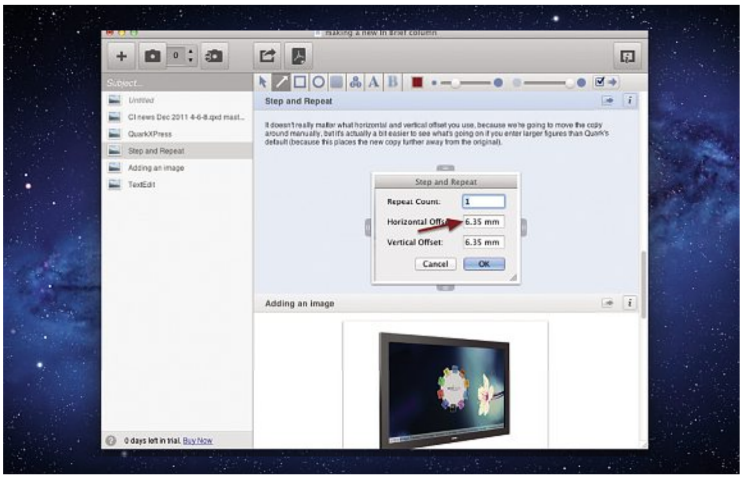
### PROS & CONS

- + Easy to learn and use
- + Automatic website uploads
- + In-app email creation
- + Just enough editing features

### VERDICT

★★★★★

**"Limited in purpose, but will save many hours of fuss for heavy users."**



It doesn't really matter what horizontal and vertical offset you use, because we're going to move the copy around manually, but it's actually a bit easier to see what's going on if you enter larger figures than Quark's default (because this places the new copy further away from the original).

Step and Repeat

Repeat Count: 1
Horizontal Offset: 6.35 mm
Vertical Offset: 6.35 mm

**In Clarify, basic graphic elements like arrows let you highlight elements of a grab.**

Are you the local Mac expert besieged with how-to queries from co-workers and friends? Then this app may be a dream come true. A sibling to Blue Mango's more full-featured *ScreenSteps* tool for software documentation, *Clarify* lets you: take multiple screen grabs in other apps via a user-designated hot-key combination; put them all together in a single document; annotate them (and edit the images, to an extent); and export the whole lot in PDF or Rich Text format, or upload them as HTML pages to your own area on the vendor's website.

You could use it for step-by-step guides, or for bug reports to show software suppliers the problems you're encountering with their products. It could even function as a quick-and-dirty way to get your photos into a publishable format.

*Clarify* brings all this functionality together in one place. It's also easy to use, and has a host of helpful features. You can create an email containing your PDF directly from the *Clarify* app. You can crop and rotate screen grabs, add web links to annotations, highlight areas of a grab and blur others (handy for personal details).

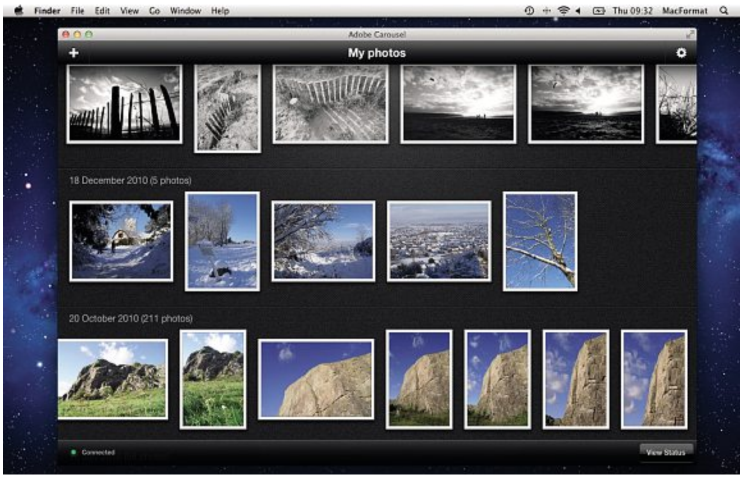
Two tiny niggles: the title of a document is lost when it's uploaded to your area of the *Clarify* website for public view; and a couple of menu items have confusing names. But if you regularly find yourself patching together documents full of screen grabs, *Clarify* will cut the stress.

**Barnaby Page**

**>> PHOTO-SHARING SOFTWARE**

# Adobe Carousel 1.0.3

Would you pay **$5.99 (about £3.80)** per month to access your photos across all your devices?



**Photos are displayed in horizontally scrolling filmstrips, split up according to date taken.**

Adobe claims Carousel is the only tool that enables you to access your whole photo library from your Mac, iPhone or iPad, without storage issues or manual synchronisation. The first thought on any Mac owner's mind, though, is going to be what Carousel does that *iPhoto*/*iTunes*/iCloud doesn't. And the second is why they should pay for photo synchronisation when they already get it for nothing.

Carousel is pretty similar to Apple's Photo Stream, which is part of the free iCloud service, but with a bit more control. Like Photo Stream, instead of copying photos across to your devices it stores them online. It then delivers files to your devices on demand, via your network connection. There are no storage limits, and any changes you make, from creating Carousels to importing and editing photos, are automatically uploaded to the Carousel server.

You'll need an Adobe ID, which is free, but you pay a monthly subscription for Carousel, though there is a free 30-day trial. You download and install the *Carousel* client on your Mac and iOS devices, and you're ready to go.

> *"You'll need an Adobe ID, which is free, but you pay a monthly subscription for Carousel, though there is a free 30-day trial"*

## Strips of film

Carousels are horizontally scrolling filmstrips of photos, and you can create a Carousel for a single set of photos or for shots taken over a longer period of time; in which case they're automatically split by date, so a single Carousel may consist of a series of these filmstrips that are arranged vertically.

It's quick, simple and intuitive, and the consistency in appearance across the Mac and iOS versions is one of Carousel's strong points. It's quite something to see photos you add on your Mac appear in moments on your iPad, but this does rely on the quality of your network connection. Carousel communicates with Adobe servers constantly, so you can't work offline.

## Storage solutions

Adobe solves the problem of limited storage space on iOS devices by downloading only thumbnails and low-resolution proxies. It's only when you tap on a thumbnail to view the picture properly that it downloads a higher-res version.

So yes, Carousel does indeed make your whole photo library 'available', or at least all the photos you've imported into Carousel, even on a device with limited memory. It also reacts to changes made on any device straight away. The downside is that it's heavily dependent on the quality of your network connection. Wi-Fi speeds are okay, but Carousel can be painfully slow over 3G which can go a long way to eating up your monthly allowance.

There are other limitations that gradually become apparent. This version will only import JPEGs, not TIFF, PSD or RAW files. You can carry out basic cropping, straightening and enhancement tasks and apply a range of nice but basic image effects. And it's all non-destructive, too, so you can rewind your changes if you make a mistake. But for cataloguing and editing tasks in general, Carousel is too lightweight even to compete with *iPhoto*. Things begin to get redundant when you consider that you may end up running two photo collections, with your 'proper' one still on your Mac in *iPhoto* or *Aperture*.

Carousel shows promise in its current form. But its reliance on good network speeds, its monthly subscription charge and its very basic cataloguing and editing tools blunt its appeal considerably. We recommend you try before you buy.

**Rod Lawton**

## KEY INFO

**Developer:** Adobe
www.adobe.com/uk

## REQUIREMENTS

**OS:** OS X 10.7, 2GB RAM
**Processor:** Multicore Intel
**iOS devices:** iPhone 3GS and iPhone 4, iPad 1 and iPad 2, iPod touch 4G, iOS 4.2

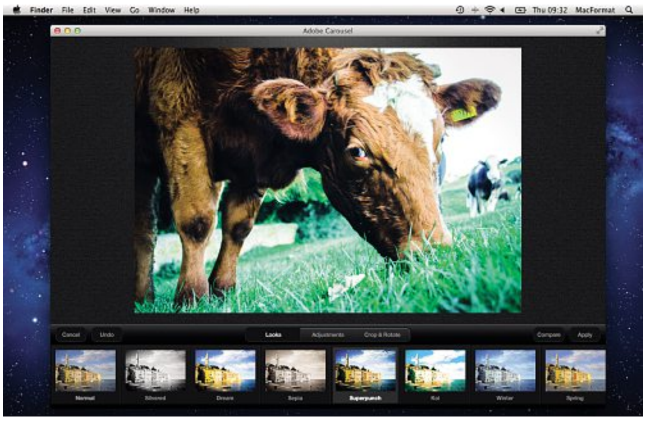
## PROS & CONS

- ⊕ Easy to understand and use
- ⊕ Straightforward sync process
- ⊕ Consistent look and feel
- ⊖ Monthly subscription charge
- ⊖ Limited organising/editing tools
- ⊖ iCloud is free

## VERDICT

★★★☆☆

**"Carousel is fine if your needs are simple and your connection speeds good, but it could do more."**



**The editing tools offer some attractive, non-destructive options, but overall they're very basic.**

>>SYSTEM UTILITY

# Prosoft DriveSlim

## £14 Trimming bytes off a full hard disk

### KEY INFO

**Developer:** Prosoft Engineering Inc
www.prosofteng.com

### REQUIREMENTS

**OS:** OS X 10.6.8 or later

### PROS & CONS

- ⊕ Extremely versatile
- ⊕ Straightforward to use
- ⊕ Inexpensive
- ⊖ Take care when deleting

### VERDICT

★★★☆☆

**"A capable and versatile application at a good price, but not for IT beginners."**

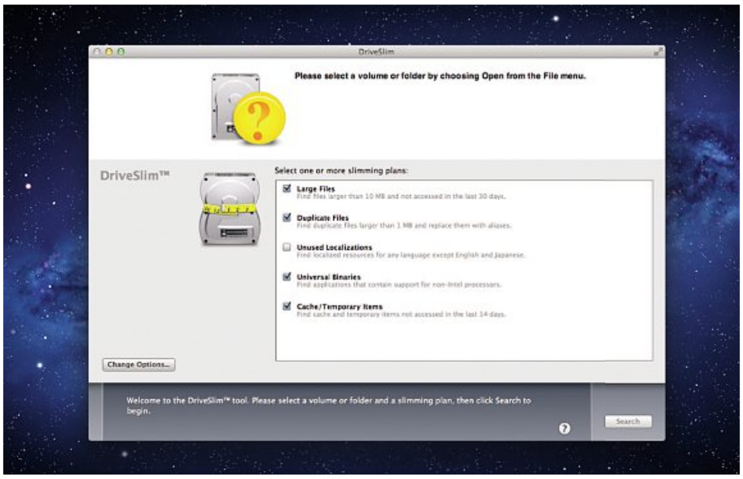
*DriveSlim*, taken from Prosoft's *Drive Genius 3* suite, is designed to help you free up hard drive space. It can identify large files that haven't been used in a while, remove unused localisations, slim down universal binaries and replace duplicates with aliases. It only works on user files, and it automatically skips Microsoft and Adobe applications, as Prosoft claims slimming them can cause problems. You can perform one, some or all of these actions in a single search. Also, default settings such as how large a file has to be and how long since it was last used can be changed.

In our tests, *DriveSlim* identified two support folders of around 500MB and 150MB for apps we no longer used. These were soon deleted, as were several other files we'd forgotten about. After finding large, redundant files, *DriveSlim* doesn't delete them automatically. Instead, it gives you the chance to review and remove those you no longer need. You can click on a file and find out where it lives in your folder hierarchy and even open or preview it before deciding whether to bin it.

Care must be taken when deleting files. It's easy to accidentally remove something you need, especially iOS backups, which the app doesn't ignore. Also, after deleting and/or slimming files, you need to search again before you can do any more, which is annoying if you don't want to deal with them all at once.

We wouldn't recommend *DriveSlim* for beginners, but for the reasonably experienced, it'll do its job ably.

**Ian Osborne**



Please select a volume or folder by choosing Open from the File menu.

Select one or more slimming plans:

☑ Large Files
Find files larger than 10 MB and not accessed in the last 30 days.

☑ Duplicate Files
Find duplicate files larger than 1 MB and replace them with aliases.

☐ Unused Localizations
Find localized resources for any language except English and Japanese.

☑ Universal Binaries
Find applications that contain support for non-Intel processors.

☑ Cache/Temporary Items
Find cache and temporary items not accessed in the last 14 days.

Welcome to the DriveSlim™ tool. Please select a volume or folder and a slimming plan, then click Search to begin.

You can perform any or all of the utility's drive-slimming functions in a single search.

>>FTP SOFTWARE

# Fetch 5.7

## £20 The veteran FTP software client returns

### KEY INFO

**Developer:** Fetch Softworks
http://fetchsoftworks.com

### REQUIREMENTS

**OS:** OS X 10.5 or later

### PROS & CONS

- ⊕ Easy to use and fast
- ⊕ Comprehensive security
- ⊕ Dropbox shortcut syncing
- ⊖ Not much new

### VERDICT

★★★★☆

**"Still a great tool. If you use FTP everyday then it's well worth the money."**

*Fetch* is one of the grand old pieces of Mac software and it's great to see it updated for Mac OS X Lion. *Fetch 5.7* is a file transfer client that, if you've ever worked with websites, you'll be well aware of.

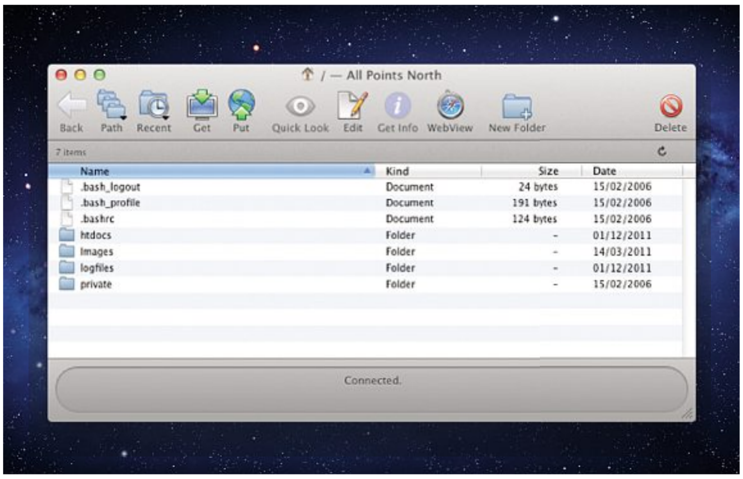
For absolute beginners the interface might look a bit daunting, but you hardly need a degree in engineering to get around it.

Moving between different FTP servers within the application is made simple with shortcuts, but droplet shortcuts are even easier. The latter allow you to double-click an icon to get straight to your server, or simply drop a file onto the droplet to upload a file. You can also sync your shortcuts across Macs via a Dropbox account. This syncing is one of the brand new features in 5.7. We also really like the Quick Look feature that, just like the Mac OS equivalent, allows you to get a quick preview of the documents on the server.

*Fetch* has support built-in for eleven different types of proxy server. As well as standard FTP it has SFTP and TLD/FTP. Basically, *Fetch 5.7* is going to offer you and your files excellent security.

At £20 on the Mac App Store, *Fetch* might seem expensive for a single-use utility, but if you're always uploading and downloading from FTP servers then it's a cheap and excellent choice. It's hard to fault *Fetch*, but there are some free alternatives that might appeal should you only be performing the odd upload job. Overall this is a very solid update and adds to the already excellent reputation that *Fetch* has in the Mac community.

**Christopher Brennan**



/ — All Points North

7 items

| Name | Kind | Size | Date |
|---|---|---|---|
| .bash_logout | Document | 24 bytes | 15/02/2006 |
| .bash_profile | Document | 191 bytes | 15/02/2006 |
| .bashrc | Document | 124 bytes | 15/02/2006 |
| htdocs | Folder | - | 01/12/2011 |
| Images | Folder | - | 14/03/2011 |
| logfiles | Folder | - | 01/12/2011 |
| private | Folder | - | 15/02/2006 |

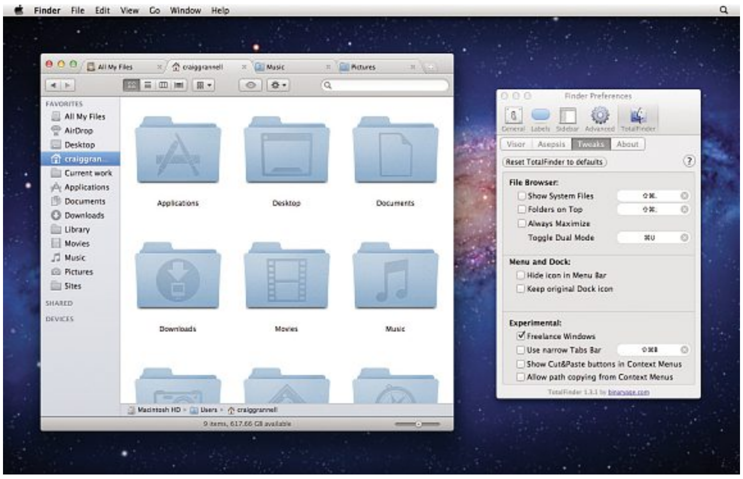
Connected.

The main Fetch interface is clean and simple to navigate when you get used to it.

>> FINDER ADD-ON

# BinaryAge TotalFinder 1.3.1

**$18 (£12)** Bring tabbed browsing and a dual-pane mode to Finder


Finder File Edit View Go Window Help
All My Files
craiggrannell
Music
Pictures
FAVORITES
AirDrop
Desktop
Current work
Applications
Documents
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DEVICES
Macintosh HD
Users
9 items, 617.66 GB available
Finder Preferences
General
Labels
Sidebar
Advanced
TotalFinder
Visor
Asepsis
Tweaks
About

Reset TotalFinder to defaults

File Browser:
☐ Show System Files ⇧⌘.
☐ Folders on Top ⇧⌘.
☐ Always Maximize
Toggle Dual Mode ⌘U

Menu and Dock:
☐ Hide icon in Menu Bar
☐ Keep original Dock icon

Experimental:
☑ Freelance Windows
☐ Use narrow Tabs Bar ⇧⌘B
☐ Show Cut&Paste buttons in Context Menus
☐ Allow path copying from Context Menus

TotalFinder 1.3.1 by binaryage.com

**Tabbed browsing (left) helps organise Finder windows. Other tweaks are available (right).**

*Finder* is so ubiquitous that many Mac owners don't even realise it's an application. And yet you use it daily, for file management and document launching. Maybe this is why Apple's kept *Finder* simple throughout OS X's evolution, but its limitations frustrate power users. *TotalFinder* attempts to address several perceived *Finder* shortcomings, but instead of replacing *Finder*, the add-on integrates with it.

On running *TotalFinder*, all *Finder*'s default characteristics remain intact. Subtle changes include a menu-bar extra for accessing important commands and an extra tab in *Finder*'s preferences, for adjusting *TotalFinder* settings. A more obvious change is the addition of tabs to *Finder* windows. These work like tabs found in all the modern web browsers, the only difference being each tab houses a *Finder* window instead of a web page.

> *"TotalFinder attempts to address several perceived Finder shortcomings, but instead of replacing Finder, it integrates with it"*

In use, tabbed file-browsing works well. Tabs can be dragged to new windows or between windows, enabling you to be organised when you might otherwise have individual *Finder* windows strewn across the screen. But there are snags in this solution. The *Google Chrome*-like tabs aren't overly Mac-like, and new windows opened from within a *Finder* window are sent to new tabs. This behaviour can at least be overridden, by activating the 'freelance windows' setting in the worryingly named 'experimental' section of *TotalFinder*'s 'tweaks' settings.

## Red means danger

Something that can't be overridden is the default behaviour when clicking a red 'close' button. You might ask why you'd want to do this, but while it's mildly irritating to close a single *Finder* window in error, it's maddening when you accidentally close one full of carefully arranged tabs and there's no undo option. More usefully, two tabs can be merged using 'dual mode', resulting in a set-up akin to an FTP client. This looks odd, but is in fact immensely useful for moving files between two folders, and probably stands as one of the most welcome features of the program.

Elsewhere, *TotalFinder* provides a drawer-like window called 'Visor' that slides in from the bottom of the screen when activated (which, annoyingly, brings all *Finder* windows to the front while doing so), and options for showing hidden system files and placing folders above files in lists. There's also the addition of cut and paste, long absent from *Finder* and yet available in rival operating systems. We were also pleased to note that turning off *TotalFinder* simply requires a *Finder* restart, which can be done from *TotalFinder*'s menu-bar extra. Additionally, an uninstaller is thoughtfully provided should you decide against keeping the app.

But for all *TotalFinder*'s plusses, there's a major problem: performance. *Finder* takes a noticeable hit when *TotalFinder* is installed, even on powerful Mac hardware. This stops us recommending the app outright, and we've found it tricky to decide on sticking with *TotalFinder* or returning to a more responsive but less fully featured vanilla *Finder* ourselves.

## Purchase decision

Ultimately, any buying and usage decision you make will probably be down to whether you regularly find yourself staring at a sea of open *Finder* windows you wish you could somehow clean up. Faced with such a scenario you'll likely lap up what *TotalFinder* has to offer.

**Craig Grannell**

## KEY INFO

**Developer:** BinaryAge
http://totalfinder.binaryage.com

## REQUIREMENTS

**Processor:** Intel
**OS:** Mac OS X 10.6+

## PROS & CONS

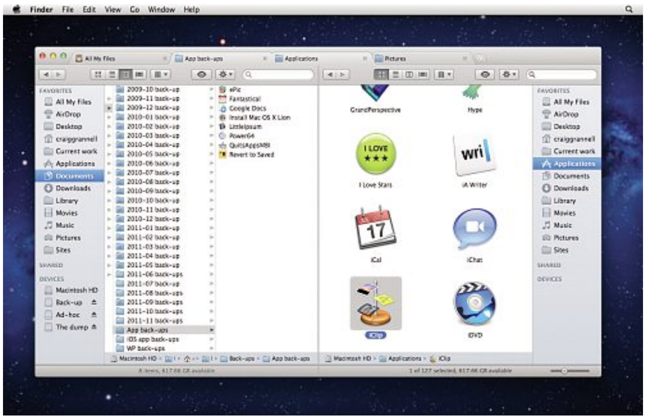
- ➕ Tabbed browsing in Finder
- ➕ Dual mode is surprisingly useful
- ➕ Integrates well with Finder
- ➕ Genuinely useful options
- ➖ Visor is disappointing
- ➖ Sluggish performance

## VERDICT

★★★½☆

**"A useful add-on for anyone tired of Finder's limitations, but beware the performance hit."**

**Dual mode merges two tabs and is useful for transferring files between two folders.**


Finder File Edit View Go Window Help
All My Files
App back-ups
Applications
Pictures
FAVORITES
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Library
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Hype
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iCal
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iClip
DVD

**>> WINDOW MANAGER**

# Many Tricks Moom 2.3.2

Mac FORMAT Choice ★★★★★

**£2.99** Move and resize windows with ease

## KEY INFO

**Developer:** Many Tricks
http://manytricks.com/moom

## REQUIREMENTS

**OS:** OS X 10.6.6+

## PROS & CONS

- ⊕ Intuitive grid interface
- ⊕ Tons of configuration options
- ⊕ Useful window snapshots
- ⊖ Can take a while to set up

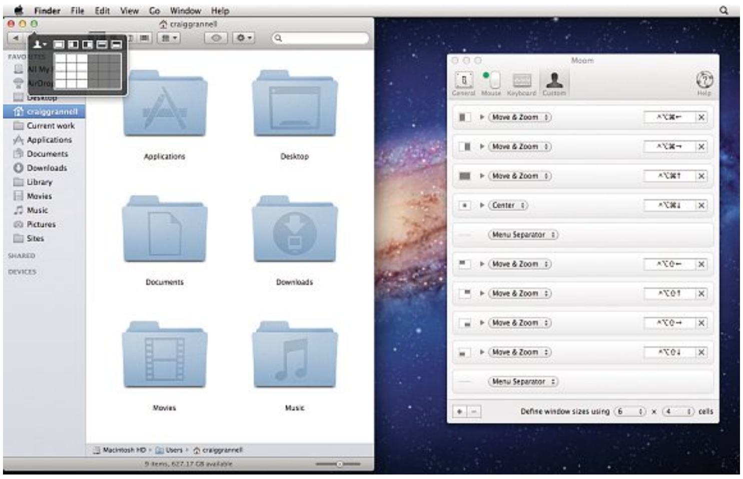
## VERDICT

★★★★★

**"Our new favourite window manager - useful, flexible and user-friendly."**

Regular *MacFormat* readers will know we like a good window manager. When using multiple windows or apps, it's handy to rapidly move to a split-screen setup, or to temporarily have a window take over the screen, without invoking OS X Lion's slothful full-screen mode. The trouble with such apps is built-in limitations: some are mouse-only, while others force keyboard use; many have a limited number of resize options.

*Moom*'s approach is very different from its contemporaries and, despite some niggles, ends up superior to them all. The app displays an overlay with shortcut options when you hover over a green zoom button, and you click one to resize the window.



**Moom's grid makes resizing windows straightforward and simple in Snow Leopard and Lion.**

The ⌥ key provides further shortcuts and a revert button. The real star, though, is the overlay's grid: drag across its sections to move and resize the current window with precision.

In *Moom*'s extensive options, the default six-by-four grid can be made finer – up to 16-by-16 – and there are plentiful keyboard settings, including a Custom section for building your own menu of user-defined window sizes and shortcuts. Additionally, there's a per-app snapshot feature, enabling you to save and restore multi-window layouts.

During testing, we fell for *Moom*'s combination of usability and power, but it is a little more involved setup-wise than some similar apps, and with apps that use non-standard windows (such as *Photoshop* and *Twitter*) it doesn't fare as well as *SizeUp*. Still, we highly recommend *Moom*.

**Craig Grannell**

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**>> MENU BAR CLOCK/CALENDAR**

# Day-O 1.0

**£FREE** Put a calendar in the menu bar

**Developer:** Shaun Inman **URL:** http://bit.ly/nRjy5b

Although Apple provides an option for simultaneously showing the date and time in the menu bar, it's not gone so far as to provide calendar access. This is a pity, because the clock's drop-down menu seems the perfect place to stash a calendar. *Day-O* provides such functionality, created when the developer's app for doing something similar 'clobbered' his *Dictionary* shortcut key.

*Day-O* is dead simple. It turns off Apple's own clock, and shows the current month's calendar when you click the clock. Arrows enable you to move between months, and preferences provide the means to have *Day-O* launch at login, show a calendar icon, and adjust the date and time format.

Adjusting the format isn't very user-friendly, requiring manual entry of unicode date formats (such as H:mm for a 24-hour clock), but a link is provided to a web page with details of the relevant symbols. Also, the Date & Time module of *iStat* menus is sleeker and more powerful, but then it costs $16 (£10). If your needs are simple, *Day-O* is a worthy alternative.

**Craig Grannell**

## VERDICT

★★★★☆

**"A free menu-bar calendar that ably does what's required of it but no more."**

---

**>> CLIPBOARD MANAGER**

# iClip 5.0.1

**£6.99** Like a pimped-out Dock for your clippings

**Developer:** Irradiated Software **URL:** www.irradiatedsoftware.com/iclip

There's plenty of functionality built into *iClip*. The app acts as a storage bin for whatever you've recently copied to your clipboard (such as chunks of text, images or URLs), enabling you to easily access something you were working with a short while ago, or copy a bunch of items and then paste them all, rather than doing an irritating copy/paste dance. You can define (and edit) permanent sets of clippings. You can also stash shortcuts to applications, folders and documents as file aliases, which ostensibly turns *iClip* into a Dock-like launcher.

Unfortunately, *iClip*'s strengths in terms of functionality aren't matched by the interface, which too often comes across as vulgar and fiddly. The glossy, bevelled bins resemble apps from a bygone era, and make the previews small. A full preview is available on hover, but triggering these takes too long and made us wish for Quick Look support. We also found the file-alias feature and keyboard support sub-optimal, although the app becomes far more usable when working solely with a mouse or trackpad.

**Craig Grannell**

## VERDICT

★★★½☆

**"A disappointing clipboard manager, which we simply didn't enjoy using."**

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July 2011
100 iPhoto tips and tricks
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Smooth clips in iMovie
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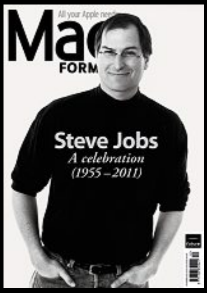

**Issue 241**
December 2011
Steve Jobs special issue!
A celebration of the life and work of the man behind the Mac, the iPhone and iPad
**Choice highlights**
50 magical OS X tricks
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**>> RPG**

# Two Worlds II: Pirates of the Flying Fortress

**£25** A fantasy adventure with a pirate theme? What could possibly go wrong?

## KEY INFO

**Developer:** Topware
www.steampowered.com

## REQUIREMENTS

**OS:** OS X 10.6.3 or later **Processor:** Intel 2GHz **RAM:** 2GB **Video:** 512MB **Disk space:** 8GB **Other:** internet connection for multiplayer

## PROS & CONS

- ⊕ Superb pirate theme
- ⊕ Lovely environments
- ⊕ Loads of extras
- ⊕ Sharper scripting
- ⊖ Still flawed
- ⊖ Over-priced

## VERDICT

★★★⯪☆

**"Not a legend of the high seas, but this is an improved and enjoyable expansion to Two Worlds II."**

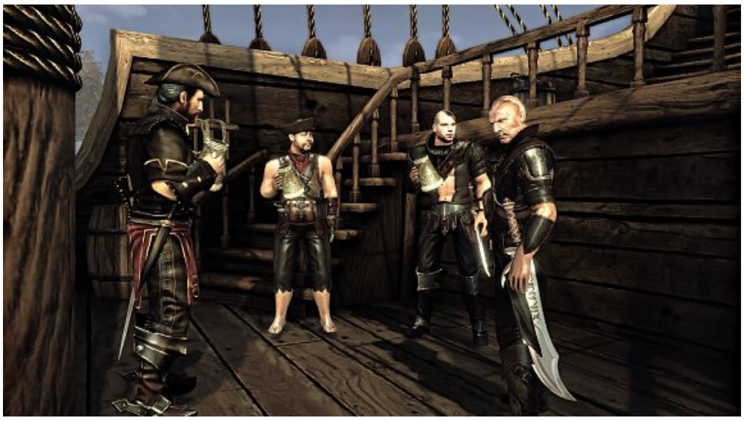
For those who might have missed it, *Two Worlds II* was a third-person, action-based role-playing game along the lines of Lionhead's *Fable* series. Despite the main game weighing in at a hefty 50-plus hours of play and a game world that contains a visually epic sweep, it was poorly received in some quarters thanks to a few fundamental flaws. First of all assistance in playing the game was notable by its absence: players were frequently left in the dark not only as to what to do next, but also regarding how to play the actual game in the first place.

Glitches were abundant also. From character models that displayed some particularly alarming characteristics, to unintentionally comedic animations and a poor user interface, the game simply felt as if it hadn't been sufficiently polished.

### The good bits

In addition to the aforementioned flaws, poor plotting and over-long expositional cut-scenes meant that, in places, the experience was duller than watching beige paint dry.

However, if you were prepared to overlook the screwy parts and persevere, the game eventually yielded some memorable adventuring to the extent that we were actually looking forward to this expansion.



**Arrrrrr-harrrr! There be adventuring! There be swashbuckling! There be flaws in the gameplay!**

The story opens with your character (which you can import from the previous game) being recruited by a pirate captain who, familiar with your reputation, asks that you run a few errands for him. However, as simple as this request initially seems, it soon becomes apparent that there's a little more to it and that your other shipmates are not necessarily what they first appear to be either.

Once again, there is a lot of story to wade through here, but the writing is sharper and the dialogue is a lot better – and maybe the swaggering glamour of the pirate theme plays its part too – so the experience is rather more immediate and engaging than the last time.

> *"The action takes place across a new map with islands around which our hero can sail, teleport, swim, run and ride on horseback"*

The main part of the action takes place across a brand new map featuring a series of exotic islands around which our hero can sail, teleport, swim, run and ride on horseback. In addition to the new environments, the game also introduces an impressive helping of other new content. There are plenty of new weapons and armour for you, as well as your trusty steed. And the combat system has also been improved for a more engaging cut-and-thrust experience.

### Pieces o' gold

Side-quests and suitably themed mini games (which involve a spot of gambling on board your ships, for example) provide welcome diversions from your main campaign and when you're done with playing alone there are four new maps for the game's woefully under-appreciated online multiplayer mode.

*Pirates of the Flying Fortress* suffers many of the same flaws as the base game, and charging the same price as the previous release for a campaign barely a third of the size can make you feel a touch resentful. But if you've already played and enjoyed *Two Worlds II*, then this is certainly an adventure worth embarking upon, as it provides a thematic departure from the usual fantasy fare out there and it's good wholesome piratey fun.

**Andy Dyer**

**Scary. We're not sure what it is exactly, but it definitely takes a pirate to sort it out.**

>> TURN-BASED STRATEGY

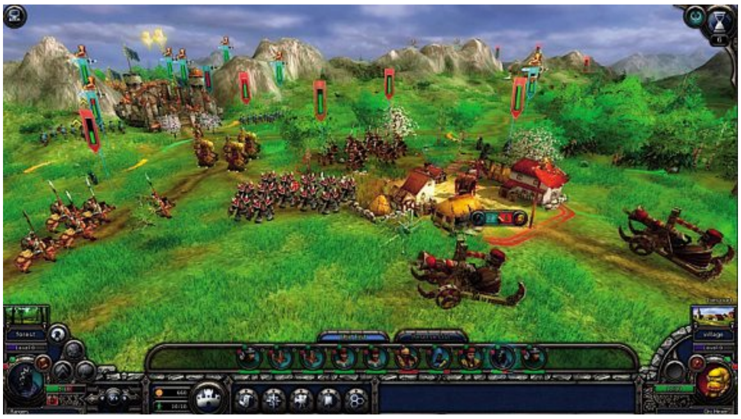
# Elven Legacy Collection

**£21** A fun but frustrating turn-based strategy game set in an RPG-style environment

The box artwork for *Elven Legacy Collection* is suggestive of a role-playing game of the 'wander around exploring, chatting and fighting' variety. If that sounds right up your alley then hold it right there. This is in fact a dense and rather difficult turn-based strategy game that just happens to have a fantasy theme. What's more, because it comes bundled with three expansion packs, there's an awful lot of it, so if strategy gaming is not your thing you'll find yourself in some sort of certain hell.

However, if you're going into the world of *Elven Legacy* with your eyes wide open you'll find a flawed but very rich and imaginative world of entertaining battling.

For reasons of limited space and a desire not to send our entire readership to sleep, we'll just gloss over the game's rather potboilerish plot, except to say that in a world of elves versus humans, a human mage unearths an ancient Elven secret that could imperil the world. Thus the elves set out on a mission to find the mage and prevent such a disaster occurring. Of course.



Zoom in and you get a pleasingly detailed view of every member of your invdividual units.

> *"A coherent adventure-style narrative makes a compelling experience and allows for plot twists, side-quests and fantastical unit types"*

The main campaign mode sees your initially small party of characters traversing the human lands in pursuit of the mage via a series of short interconnected scenarios involving, in the main, a little exploration followed by lots of turn-based combat.

## The plot thickens

Although the story is told through the eyes of a small party of characters, the individuals you control actually represent units made up of a number of combatants. The map screen, when viewed from a distance shows just single characters. But zoom in and examine a single hex on the board and you see each individual soldier or archer in pleasing detail.

Play proceeds in a very straightforward way and thanks to a decent tutorial and some intelligently placed UI furniture it's actually pretty effortless to get into. Each unit has indicators to represent available moves and attacks, and in any given turn you simply select your units, move them, attack any enemies in range and end your turn.

This is, of course, a total simplification. With over 100 unit types to ultimately mess around with, different campaign arcs and multiple factions, things get very much more involved and the game reveals itself to be quite a substantial offering. Despite the weaknesses of the plot, having a coherent adventure-style narrative makes for a completely compelling experience and also allows for plot twists, side-quests and fantastical unit-types that you simply don't find in other turn-based strategy games.

And if the main game wasn't substantial enough, in this collection you also get the expansion packs, which add in total an additional 50 missions, fresh heroes, new armies and a bunch of additional spells and artefacts. It's a massive helping of gaming for the 20 quid price tag.

## Sounds stuttery

There are however a few gremlins and gripes. On a fairly superficial level, the sound stutters in places, a problem that's particularly pronounced in the tutorials. During gameplay the visuals, while pleasant enough, suffer from a poor draw distance and local scenery, such as flora, tends to pop randomly in and out of existence. And while the game is accessible enough, the difficulty level is high, which might put off those new to strategy gaming. Which is a shame because otherwise *Elven Legacy* is a game that, thanks to its subject matter and imaginative approach, is rather less dry than a lot of other strategy offerings.

**Andy Dyer**

## KEY INFO

**Developer:** Virtual Programming
www.deliver2mac.com

## REQUIREMENTS

**OS:** OS X 10.6.6, **Processor:** Intel 2.16 GHz, **RAM:** 2GB
**Video:** GeForce 8600 or newer, Radeon HD 2600or newer, Intel GMA X3100 or newer

## PROS & CONS

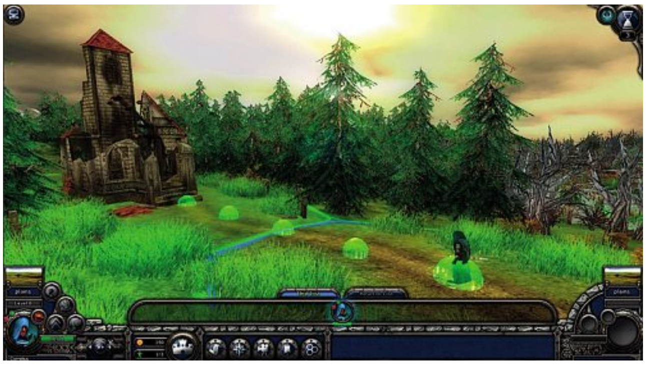
⊕ Fun fantasy setting
⊕ Accessible user interface
⊕ Masses of missions
⊕ Local multiplayer
⊖ Sound and graphical glitches
⊖ Not for the faint hearted

## VERDICT

★★★★☆

**"Despite the glitches and high difficulty, this is an imaginative take on strategy gaming and there's loads to enjoy."**

The game world is rich and colourful, and the narrative arc helps the battles really mean something.



**>> FUTURE SPORTS**

# AaaaaAAaaaAAAaa AAAAaAAAAA!!! for the Awesome

Mac FORMAT Choice ★★★★★

## £6.99 Jumping off buildings is officially fun

### KEY INFO

**Developer:** Dejobaan Games
http://dejobaan.com

### REQUIREMENTS

**OS:** OS X 10.5.8 or later **Processor:** Dual-core Intel **RAM:** 1GB

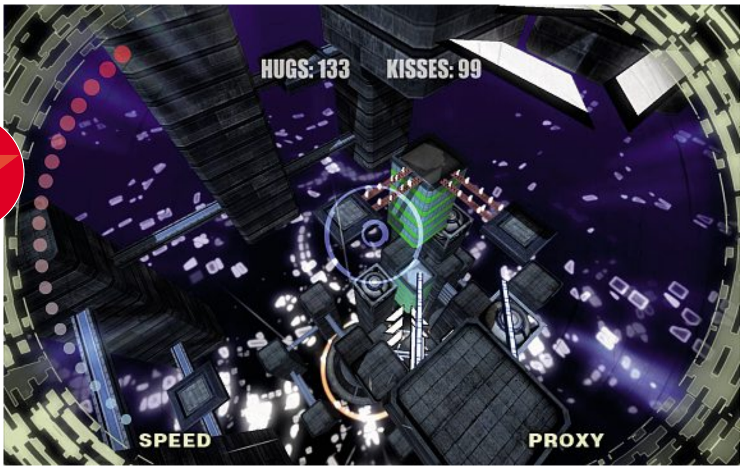
### PROS & CONS

⊕ All the original levels
⊕ Plus 43 new ones
⊕ Mad concept
⊖ Frustrating at times

### VERDICT

★★★★★

**"A unique and challenging thrill-ride shot through with a sense of humour."**



**Steer yourself between the buildings but try not to actually hit them - that defeats the point...**

The ridiculously titled *aaaaAA aaaAAAaaAAAAaAAAAA!!! for the Awesome* is a must for any gamer who missed out on the original when it premiered on Windows machines in 2009. It's not a whole new game, but a pumped-up version of the first, featuring 82 original levels, with 43 new ones, as well as improved visuals and new environments. And it is brilliant.

Essentially it's a base-jumping sim but set in a stylised future world full of tall, floating structures.

At the start of a level the player has to step off the edge of a building then proceed to freefall down at breakneck speed without hitting anything before landing on a small target. This is gut-churning and tricky enough, especially on the more complex levels, but in order to progress, you'll also need to rack up points and accolades by performing various stunts. You can buzz the side of a building, which is called a 'kiss'. You can stay as close to the side of a building for as long as possible as you plummet, which is termed a 'hug'. And you can give innocent bystanders and fans a thumbs-up for added bonuses.

As the level design gets more cluttered so you are more likely to hit something and end up a splodgy mess, which is where frustration can set in, especially if your demise occurs near the end of a particularly good run. But the sensation of falling from great heights is superb and when you do pull off a spectacular jump, the satisfaction is huge. *A!FTA* is a unique and amazing game.

**Andy Dyer**

**>> ACTION**

# LEGO Star Wars III: The Clone Wars

## £20 Does LEGO Star Wars still appeal?

### KEY INFO

**Publisher:** Feral Interactive
www.feralinteractive.com

### REQUIREMENTS

**OS:** OS X 10.6.8, 1.4GHz Intel
**RAM:** 2GB **Hard disk space:** 7GB
**Video:** 128MB VRAM, X3100+

### PROS & CONS

⊕ Gorgeous looks
⊕ Amusing cut scenes
⊖ Confusing at times
⊖ Repetitive

### VERDICT

★★★☆☆

**"Still cute, amusing and fun, but the LEGO Star Wars thing is getting tired."**

**The LEGO characters are as amusing as ever, especially the bloke with the massive bonce.**

The problem with any long-running franchise is that unless it gets rebooted in a quite significant way it ends up becoming a little stale. This is certainly true of the *LEGO Star Wars* series. We're not including the other *LEGO* games in this – *Harry Potter* and *Indiana Jones*, for example – because the formula of much-loved movies being parodied by little LEGO people in games geared toward family play is still fundamentally a good one. But with *LEGO Star Wars III* the appeal is beginning to wane.

This isn't true for the fan boys of course. They'd buy anything if it had a *Star Wars* logo on it. And to be fair to this release, developer Traveller's Tales has upped its game in terms of visual quality and the variety of gameplay contained therein.

Graphically the game looks superb. The characters models are as LEGO-y as ever, albeit a little smoother and shinier than before. But the vehicle models and locations are stunning, not only during the amusing cut scenes but during gameplay too.

Also, the familiar running around, brick-smashing, stud-collecting gameplay is now augmented by simplistic strategy segments in which players involved in battles can command clone troops.

Unfortunately, the features that fans may claim make this the best *LEGO Star Wars* game yet are also partly its weakness. There's too much assumed knowledge about the *SW* universe and what the player needs to do next can be badly signposted – frustrating for casual younger players.

Although there's fun to be had here the franchise needs an overhaul.

**Andy Dyer**

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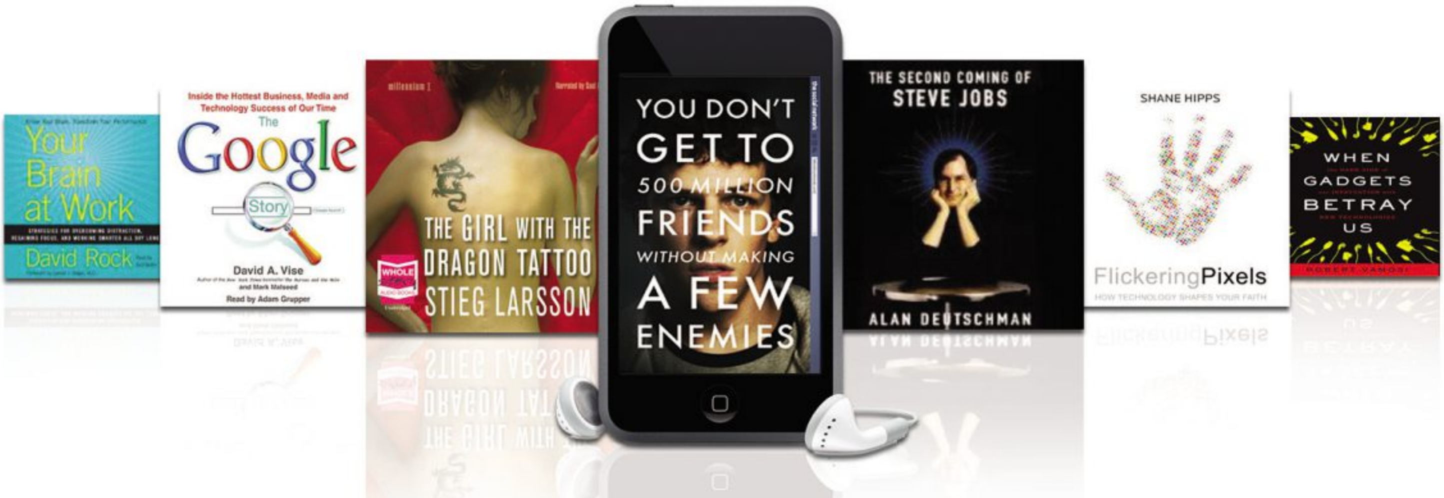
## for every reader*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David A. Vise
Read by Adam Grupper
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STIEG LARSSON
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# World of Apps

**Reviews by:** Graham Barlow, Andy Dyer, Tim Hardwick, Matthew Bolton

**>> THE BEST iOS APPS HERE**

Whether you've got an iPhone, iPod touch or an iPad, this is the best place to come to discover great new iOS apps and get the latest tips!

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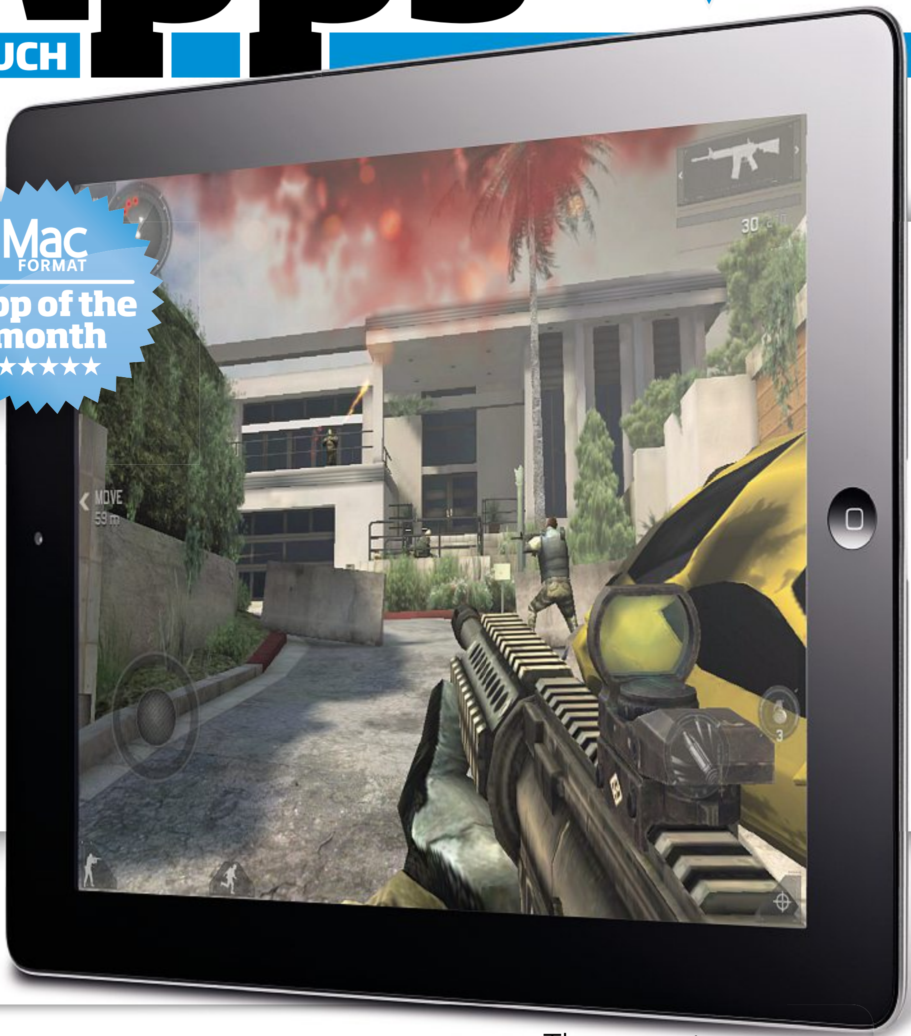

Mac FORMAT
App of the month
★★★★★

## Modern Combat 3: Fallen Nation

**Graham recommends:** What initially attracted me to this first-person shooter is the fact that you can use AirPlay to send the picture to your Apple TV and use your iPhone or iPad as the controller. It's a brilliant idea, but without physical buttons it's hard to know you're hitting the right spots. Either way, it's a brilliant game, but way too violent for under 17s.

**Price** £4.99 **Version**:1.0 **Works with:** iPad, iPhone, iPod touch

## Must-have apps

Three great apps you shouldn't miss out on this month

### BBC iPlayer

**£FREE** Now on the iPhone

**Developer:** BBC **Works with:** iPhone, iPad, iPod touch

The iPlayer app is nothing new on the iPad, but now the BBC has released it for the iPhone too. The really exciting news, however, is that they've updated it across the board to support AirPlay, so you can now send TV programs to your Apple TV screen from your iPhone or iPad. You can stream over 3G too!

### The Early Edition 2

**£2.99** Your own iPad newspaper

**Developer:** Glasshouse Apps Pty Ltd **Works with:** iPad

While newsreaders like *Flipboard* can make your feeds look like a magazine, this app turns them into a custom newspaper. This updated version has a lovely page-turning effect, better layouts and it caches all the text and images, so you can sit down with your iPad and enjoy the stories offline.

### Jimi Hendrix: The Complete Experience

**£FREE** Hendrix on your iOS device

**Developer:** Sony BMG **Works with:** iPad, iPhone, iPod touch

If you're as big a fan of Hendrix as we are then you'll also appreciate this great free app. It offers a discography, performances and all the facts you could want about the legendary guitarist and wild thing.

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**>> SOCIAL POSTER**

## Update

**£1.49** Post from all your social accounts in one app

**Developer:** Tarento Software **Version:** 1.5.2 **Works with:** iPhone, iPod touch

*Update* is about as simple as it gets to post to multiple social networks. At the top is a box for writing your thoughts, and you can choose to add an image, a location, shortened URLs and all the usual options. At the bottom is a set of switches for all your social network accounts – you just need to flick them on and off to decide which accounts you're posting to. Not all social networks are supported, so it's not a complete solution, and posting really is only half the social experience.

**VERDICT**

★★★☆☆

**"Not a total social solution, but it is a quick way to update."**

**>> PDF VIEWER**

## Adobe Reader

**£FREE** Is this the ultimate iOS PDF reader app?

**Developer:** Adobe **Version:** 10.1.0 **Works with:** Universal

You would probably expect the *Adobe Reader* app on iOS to be as comprehensive as its desktop version, but that's not the case, which is a real shame. You can read annotations made on the desktop version of *Reader*, for example, but not add your own, which is a missed opportunity. Some PDFs even have problems rendering properly (though no worse than the built-in viewer), but it does support features such as viewing encrypted PDFs, plus it's free, so could prove useful.

**VERDICT**

★★★☆☆

**"Not the viewer we'd hoped for, but a potentially handy app."**

**>> TV SERIES COMPANION**

## Doctor Who Encyclopedia

**£4.99** An app that's bigger on the inside (for a price)

**Developer:** Random House Group **Version:** 1.0 **Works with:** iPad

With over 3,000 entries, it's fair to say that this book of Doctor Who knowledge is on the comprehensive side, but only for the rebooted series. And actually, only the eleventh Doctor is included in the app price – you have to buy the ninth and tenth Doctors' entries through in-app purchases. It's a rich experience (though it lacks built-in video snippets), but it would be nice if it covered more of the show's nearly 50-year history and wasn't so expensive to expand.

**VERDICT**

★★★½☆

**"Fine for fans of the recent series, but it isn't cheap."**

**>> SOCIAL NETWORK**

## Path

**£FREE** Another new social network, but a very slick one

**Developer:** Path Inc **Version:** 2.0.2 **Works with:** iPhone, iPod touch (4th gen), iPad 2, iOS 4.2

We're inundated with social networks these days, but *Path* is worth a look if only for its super-slick app. It displays your friends' activities as part of an actual timeline, and is full of lovely little animations and icons as you navigate. You can upload pictures, write your thoughts, share your location and more, as with most social networks. But you can also cross-post anything to the likes of Facebook and Twitter, making it useful for everyone.

**VERDICT**

★★★★☆

**"A bit quiet so far, but a great app, and good for cross-posting."**

# Apps round-up

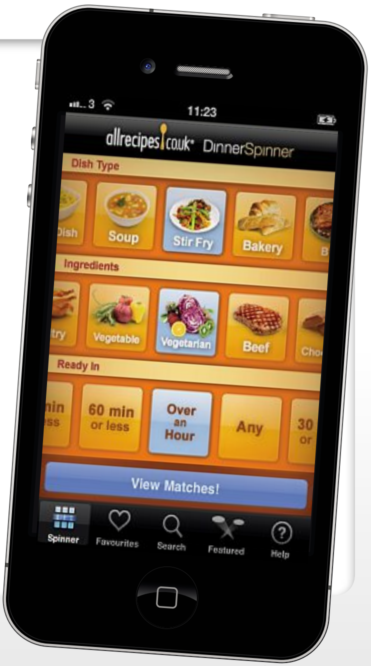
## Tim's guide to great food apps now available on iTunes store:

After enjoying so much lush food during the Christmas festivities, one of your New Year's resolutions could well involve watching what you eat. So why not use your iOS device to aid your cause? The iTune Store's home to a range of food-related apps, and here's a tasty sample.

The developers behind memo-taking app *Evernote* have come up with ***Evernote Food* (£FREE, Evernote)**, which is designed to help you remember what you've eaten. You can snap photos of the dishes that make up your diet, and add captions and thoughts as you go. It's a convenient way to record your consumption patterns and keep the details in one location.

If it's quality of food rather than quantity that you're interested in, then why not try ***Foodspotting* (£FREE, Foodspotting Inc)**. This attractive app encourages users to create a profile and share dining recommendations with fellow users by 'tagging' great dishes in the local area. Just take a photo of said dish, provide a brief description and plot the serving establishment on a map.

If you're still counting the coffers after a lot of expensive merrymaking then you'll likely want to cook more at home. So pick up ***Allrecipes.co.uk Dinner Spinner* (£Free, All Recipes)**. Whenever you're lacking inspiration, simply spin the app's food categories (or shake your device) to get a random selection of recipes sourced from a trusted online community of cooks.



# Master Reminders

## Never forget the milk or miss an appointment again

### >> KEY INFO

**DIFFICULTY**
Beginner

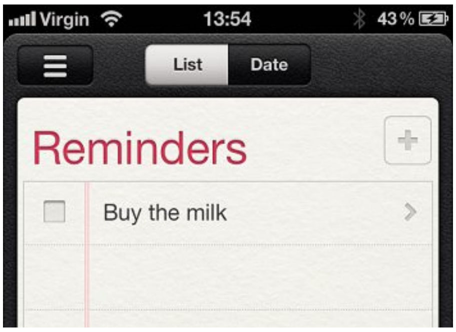
**TIME NEEDED**
20 minutes

**WHAT YOU'LL NEED**
iPhone, iPad or iPod touch, iOS 5

When iOS 5 was released it brought the *Reminders* app. It's a simple to-do list manager with some useful features, such as the ability to remind you at a particular time or location. Location-aware reminders are most accurate on the iPhone and 3G iPad because of the GPS – the iPod touch and Wi-Fi iPad are less accurate and struggle outside built-up areas. Your reminders get synced to all your devices and your OS X Lion Mac via iCloud – they appear in *iCal* by pressing ⌥+⌘+T. You need to have iCloud enabled on your device: tap Settings > iCloud and make sure you're signed in with your Apple ID. Also ensure that the *Reminders* toggle is set to On.

Virgin
14:05
50%
List
Date
Reminders
☐ Buy the milk
Today 14:00
☐ Get a birthday card for Sarah
☑ Renew car insurance
☐ Paint the front fence
☑ Email Dad

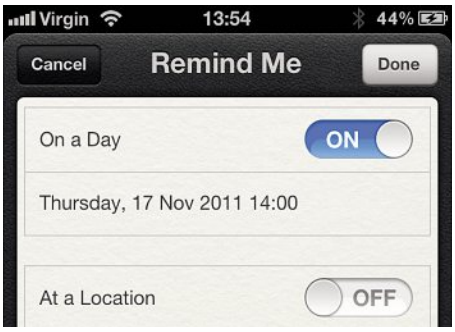
## >> HOW TO / Make best use of Reminders



Reminders
☐ Buy the milk

### 01 Basic reminders

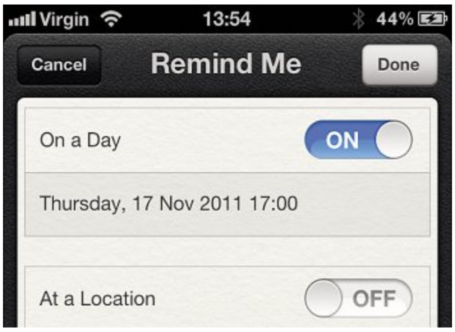
Open up the *Reminders* app, then tap the button with three lines in the top-left corner. Find where it says **iCloud**, then tap **Reminders** below it. You'll see your empty list. Tap the **+** and type in your reminder – 'buy the milk' – and tap **Done**.



Remind Me
On a Day ON
Thursday, 17 Nov 2011 14:00
At a Location OFF

### 02 Set an alert

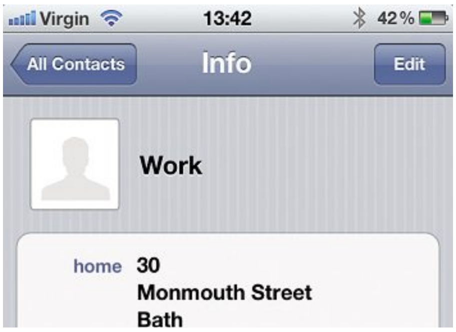
You could leave the milk reminder as it is, and use the checkbox on the left to tick it off when you're done. But left like this, your device won't actually alert you. Tap **Buy the milk** for more options, then tap **Remind Me**. Set **On a Day** to **On**.



Remind Me
On a Day ON
Thursday, 17 Nov 2011 17:00
At a Location OFF

### 03 Choose your time

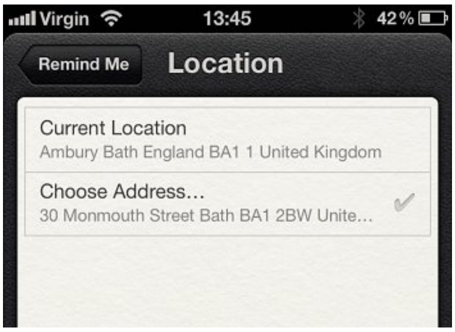
If you want the reminder at a specific time – when you're about to leave the office, for example – tap the date and use the dials to set your reminder time. Set it to repeat periodically if you wish, then tap **Done** twice to return to your **Reminders** list.



Info
Work
home 30 Monmouth Street Bath

### 04 Add locations

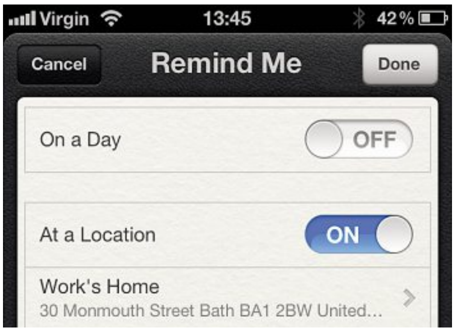
To get your device to remind you at a particular location, you need to add that place to your *Contacts* list. Tap Home > Contacts > + and tap in an address – in this case, our office. Tap **Done**, then tap **Home** and go into the *Reminders* app again.



Location
Current Location
Ambury Bath England BA1 1 United Kingdom
Choose Address…
30 Monmouth Street Bath BA1 2BW Unite… ✓

### 05 Location-aware

Tap **+**, type in your reminder text and tap **Done**. Now tap the entry, followed by **Remind Me**, and set **At a Location** to **On**. Tap **Current Location**, then **Choose Address…** to set where you'd like reminding. Choose the entry in your contacts, followed by **Remind Me**.



Remind Me
On a Day OFF
At a Location ON
Work's Home
30 Monmouth Street Bath BA1 2BW United…

### 06 Arrive or leave?

Your device can remind you either when you enter or leave that location. Tap the relevant option, then **Done** twice to get back to your reminders list. Note that this leaves **Location Services** on, so will drain your battery faster than normal. ●

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**»THIRD-PERSON SHOOTER**

# EPOCH

## £3.99 Robots locked in an eternal battle

### KEY INFO

**Developer:** Uppercut Games Pty Ltd
**Version:** 1.0.1
**Works with:** (Universal) iPhone 3GS or later, iPod touch 3rd gen, iPad, iOS 3.1.3 or later

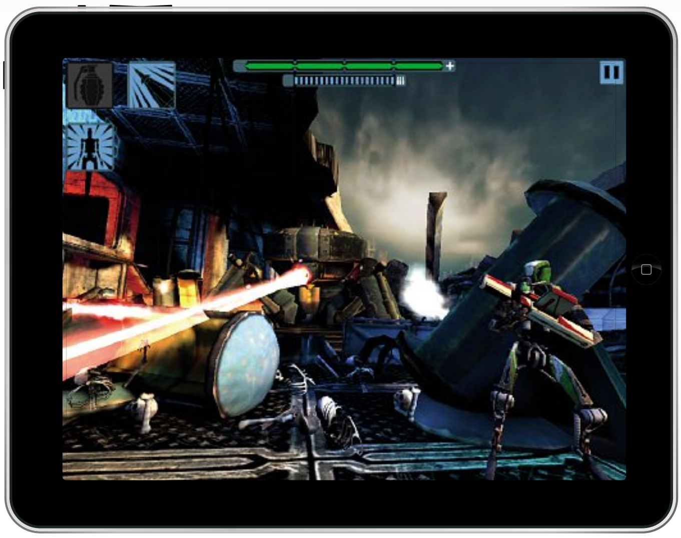
### PROS & CONS

⊕ Graphically impressive
⊕ Interesting gameplay
⊖ Nice weapons upgrades
⊖ Not enough of it

### VERDICT

★★★★☆

**"Visually impressive and a terrific blast - while it lasts."**



**Staying behind cover won't really help much against this big fella. Time to get amongst it.**

Uppercut Games has created a visually stunning third-person shooter with the gameplay of a light-gun game. *EPOCH*'s premise is that in a post-apocalyptic future, only robots remain and are doomed to partake in an unending battle. However, as one of these droids, you have to play through the game's 10 levels, wiping out all opposition, salvaging hardware, upgrading your abilities and ultimately piecing together the truth of your existence. Who put you here to protect them and do they still need you?

Gameplay consists of your droid, who stands in the foreground, firing at waves of enemies that appear at various places in the scenery. You can take cover behind objects, roll side to side and perform a super-jump for emergency evasive action. When not in cover you simply tap an enemy to begin firing your weapon, or tap one of a number of icons to activate special weapons and abilities. It's a repetitive process but in the context of being an arcade-style shooter it works very well.

The ability to upgrade weapons and abilities as you go along is a great source of entertainment. In addition you have to play through the game three times at increasing difficulty levels for full completion, which seems a bit cheeky, but few people complained about *Infinity Blade*, right?

All in all, this is a terrifically explosive game that's over a little too quickly, but packs a punch while it lasts.

**»ACTION**

# Superman

## 69p The busiest day of Superman's career

### KEY INFO

**Developer:** Chillingo Ltd
**Version:** 1.0
**Works with:** iPhone, iPod Touch, iPad, iOS 4.0 or later

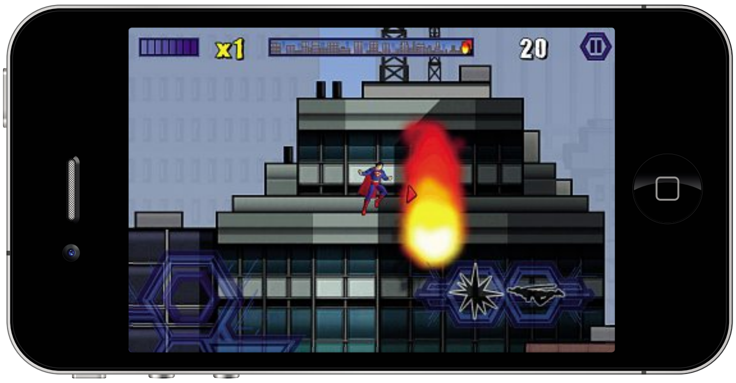
### PROS & CONS

⊕ Comic strip visuals
⊕ Fun arcade gameplay
⊕ Classic Superman action
⊖ Repetitive

### VERDICT

★★★☆☆

**"An insubstantial but colourful game with an emphasis on fun."**



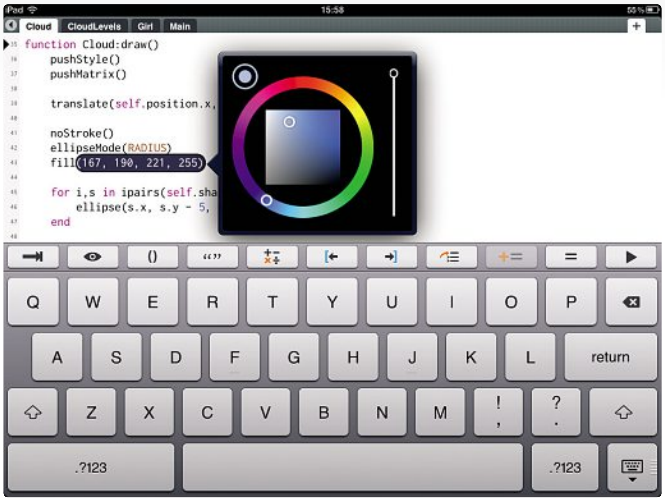
**This calls for a quick blast of super-breath. Let's hope Supes cleaned his teeth this morning.**

At a time when comic books and the subsequent movie adaptations have taken a turn for the decidedly dark and cerebral, it's quite refreshing to see a game that recalls an altogether more innocent time. Here we have a colourful comic strip take on the Superman story featuring a classic setup pitting Lex Luthor against the Man of Steel, with guest appearances by Lois Lane and Jimmy Olsen.

The gameplay is also decidedly retro. It's made up of a series of levels in which enemies and hazards of various types appear in ever more substantial waves, with each stage being rounded off with a boss encounter. For example, at one point Superman must locate a crashing aircraft, slow its fall then deposit it safely back on terra firma. Later he must collect up a load of drones before taking them into space to destroy them. Then, to round off his day, the famous Man of Steel must go up against a massive mech robot that's laying waste to the city.

With each new level comes a new threat and more waves of the previously encountered ones. So by the latter stages you're having to catch criminals, stop asteroids, save planes, disarm missiles, smash gun turrets, put out fires and a lot more besides – all in the space of a single level.

It's all rather silly but intentionally so. And despite being a new and original game, the whole thing – shoot-'em-up gameplay, repetitious waves of enemies, bold, simple 2D visuals – feels like a classic coin-op that we might have played in our youth… but never actually did. In a word, fun.



```
function Cloud:draw()
    pushStyle()
    pushMatrix()

    translate(self.position.x,

    noStroke()
    ellipseMode(RADIUS)
    fill(167, 190, 221, 255)

    for i,s in ipairs(self.sha
        ellipse(s.x, s.y - 5,
    end
```

Codea lets you edit Lua, the lightweight multi-paradigm programming language.

**>>CODE EDITOR**

# Codea

**£5.49** Create games and more right on the iPad

**Developer:** Two Lives Left **Version:** 1.1 **Works with:** iPad

*Codea* uses the Lua programming language to let you create software on your iPad. It can be a bit daunting to begin with, particularly since there's no explanation of Lua or much of a tutorial, but there are sample projects that you can play with and tweak to get a bit of early practice. The keyboard has been customised to offer some important extra controls you need for writing code. There are also some clever extra custom controls for editing things like colours. This isn't a complete coding solution yet – there are restrictions on bringing media into *Codea*, for example – but it's a great start.

### VERDICT

★★★★☆

**"A superb way to experiment with coding on your iPad."**

**>>SHOOTER**

# Budget with Back in Black

**£2.49** Take charge of your finances with your iPhone

**Developer:** Fission Media Group **Version:** 1.1.4 **Works with:** iPhone, iPod touch

If you're the kind of person who tends to overspend each month, you might find it easier to keep your finances healthy with an app like *Back in Black*. You tell it how much money you're getting in, and set any savings targets you want to, and away you go. Expenditures can be added with the New Purchase button, and the bar at the bottom goes up to show how much of your budget you've spent. There are loads of other useful features too, such as payment reminders.

### VERDICT

★★★★½

**"A simple yet useful way to keep on top of your spending."**

**>>ARCADE**

# Yearly

**69p** Birthday reminders in a beautiful interface

**Developer:** noidentity gmbh **Version:** 1.1 **Works with:** iPhone, iPod touch

*Yearly* is the kind of beautifully designed app we love. It pulls through birthday and anniversary dates from your *Contacts* app and creates a list of upcoming events to be aware of. It can send you notifications, and you can use people's contact details from within the app, to ask them what they want. You do have to have all this information in your *Contacts* for it to work, though, and it would be handy if you could import from Facebook, but it's a superb app nevertheless.

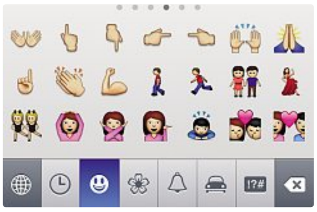
### VERDICT

★★★★☆

**"A really nice app, provided you've got pre-stored details."**

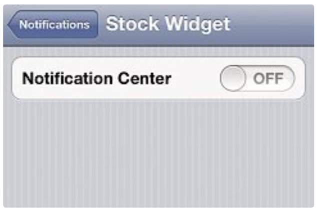
# Essential iOS Tips & tricks

Explore the new features of iOS 5 and the iPhone 4S



## 01 Emoji keyboard

Apple has added an Emoji keyboard in iOS 5, so you can use little images in texts. It's hidden in Settings > General > Keyboard > International Keyboards. Add **Emoji** as a new keyboard, and hit the globe symbol when writing a message.

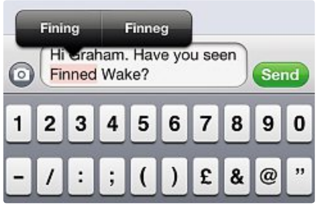


Stock Widget

Notification Center ○ OFF

## 02 Widget control

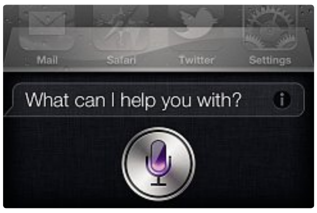
The Weather and Stock widgets in Notification Center can be useful, but if you'd rather have the space for your notifications, just go to Settings > Notifications, find the **Weather Widget** and **Stock Widget** entries, and turn them off.



Hi Graham. Have you seen Finned Wake?

## 03 Autocorrect

If the autocorrect 'fixes' something that was actually correct in the first place, you don't have to rewrite it. Tap the word to select it, and in the pop-up menu, choose **Suggest**. The original word will be listed, along with other suggestions.



What can I help you with?

## 04 Control Siri

If you've got an iPhone 4S, don't forget that you can control Siri using an in-line microphone. Just hold the button that plays/pauses your music to activate Siri, then speak into the microphone to dictate a message or have it read a message.

AHEAD OF THE CURVE

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New APP edition

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Available on the App Store

We pitch six compact system cameras against each other to find a triumphant winner.

**Words:** Angela Nicholson **Photography:** Dave Caudrey

# Compact system cameras

## The cameras designed to combine the convenience of a compact with the image quality of an SLR

Back in September 2008, Panasonic announced a new breed of camera that would answer the prayers of budding photographers who were struggling to choose between the take-anywhere convenience of a compact camera and the high-quality results of an SLR. This new camera combined the larger sensor and interchangeable lens capability of an SLR with the smaller dimensions and convenience of a compact model.

At first, the photographic world was unsure what to call this new type of camera and terms such as hybrid, mirrorless and EVIL (electronic viewfinder interchangeable lens) were in circulation before compact system camera (CSC) was settled on.

The majority of camera manufacturers have introduced a CSC, with Canon being the notable exception. In this test, we're pitching six entry-level models (with their kit zoom lenses) against each other to discover which is the best buy for the aspiring photographer. Most of these cameras have the rectangular shape of a true compact model, but the Panasonic G3 and Samsung NX11 are more like mini-DSLRs. We'll be comparing the features of each, examining their control layout and handling as well as scrutinising the images they produce to determine, which is the best option.

> *"At first, terms such as hybrid, mirrorless and EVIL were in circulation before CSC was settled on"*

### DID YOU KNOW THIS?

Because compact system camera sensors are smaller than a 35mm frame their lens focal length needs to be shorter to produce images with the same perspective as a film camera.

## COMPACT SYSTEM CAMERAS / At a glance

| | Nikon 1 J1 | Olympus PEN E-PM1 | Panasonic Lumix DMC-GF3 | Panasonic Lumix DMC-G3 | Samsung NX11 | Sony Alpha NEX-C3 |
|---|---|---|---|---|---|---|
| **Price** | £450 | £400 | £380 | £470 | £340 | £390 |
| **Website** | www.nikon.co.uk | www.olympus.co.uk | www.panasonic.co.uk | www.panasonic.co.uk | www.samsung.com/uk | www.sony.co.uk |
| **Sensor** | 10.1Mp CMOS | 12.3Mp Live MOS | 12.2Mp Live MOS | 15.8Mp Live MOS | 14.6Mp CMOS | 16.2Mp CMOS |
| **Lens mount** | Nikon 1 | Micro Four Thirds | Micro Four Thirds | Micro Four Thirds | Samsung NX | Sony E |
| **Viewfinder** | None | Optional extra | None | Electronic built-in | Electronic built-in | None |
| **LCD screen** | 3in, 460K dot, fixed | 3in, 460K dot, fixed | 3in, 460K dot, fixed touchscreen | 3in, 460K dot, articulated touchscreen | 3in, 614K dot, fixed | 3in, 921K, tiltable |
| **ISO Range (expanded)** | 100-3200 (6400) | 200-1600 (12800) | 160-6400 | 160-6400 | 100-3200 | 200-12800 |
| **Max video resolution** | 1920x1080 | 1920x1080 | 1920x1080 | 1920x1080 | 1280x720 | 1280x720 |
| **Dimensions** | 106x61x30mm | 110x64x34mm | 108x67x33mm | 115x84x47mm | 123x87x40mm | 110x60x33mm |
| **Weight** | 227g | 265g | 264g | 396g | 413g | 283g |

**[01] Nikon 1 J1**
**£450** www.nikon.co.uk

**[02] Olympus PEN E-PM1**
**£400** www.olympus.co.uk

**[03] Lumix DMC-GF3**
**£380** www.panasonic.co.uk

### >> TEST ONE

## Features

How much technology do you get for your money?

Sensor size is important when choosing a camera as bigger devices usually produce better images. Apart from the Nikon J1, our cameras have the same sized sensors as many SLRs. Nikon, however, plumped for a sensor that sits between an SLR and a compact-camera sized sensor and the J1 has a sensor that measures 13.2x8.8mm. Of the other cameras, the Samsung and Sony have the largest sensors at around 23.5x15.6mm.

Sensibly, given its small sensor size, the J1 has an effective pixel count of 10.1 million, while the Sony C3 has a count of 16.2 million.

Those who prefer to compose images in a viewfinder will like the Panasonic G3 and Samsung NX11 as they have electronic viewfinders, however, the Olympus can accept an optional one. All of the cameras have 3-inch LCD screens, but the Panasonic G3 and GF3 have touchscreens which can be used to set the focus point and trigger the shutter.

### >> TEST RESULTS

| | |
|---|---|
| **Nikon 1 J1** | ★★★☆☆ |
| **Olympus Pen Mini E-PM1** | ★★★☆☆ |
| **Panasonic Lumix DMC-GF3** | ★★★☆☆ |
| **Panasonic Lumix DMC-G3** | ★★★★☆ |
| **Samsung NX11** | ★★★☆☆ |
| **Sony NEX-C3** | ★★★☆☆ |

### >> TEST TWO

## Build and handling

Is it made to last, easy to use and sensibly laid out?

All of the cameras feel nicely put together, but the Nikon J1 and Olympus PM1 offer little in the way of grip, so they can be prone to slipping in your hand. However, like the GF3, they are very small and light. At the other end of the spectrum, the G3 and NX11 seem closer in size to an SLR. The Sony NEX-C3 straddles both camps as it is slim, but its larger sensor means it needs large lenses and this makes it feel unbalanced in use.

You can get used to all of the camera's control layouts, but the Nikon J1 is let down by not having a quick route to the exposure modes or a function menu. At the other end of the scale, the Panasonic cameras impress because they have a customisable Quick Menu for accessing favourite features as well as touchscreen control. Their Touch Shutter feature triggers the camera to focus and take a shot with a touch of the screen. This is particularly useful and it combines well with the articulating joint on the G3's screen.

### >> TEST RESULTS

| | |
|---|---|
| **Nikon 1 J1** | ★★★☆☆ |
| **Olympus Pen Mini E-PM1** | ★★★★☆ |
| **Panasonic Lumix DMC-GF3** | ★★★★☆ |
| **Panasonic Lumix DMC-G3** | ★★★★☆ |
| **Samsung NX11** | ★★★★☆ |
| **Sony NEX-C3** | ★★★☆☆ |

### >> HOW WE TESTED / Putting the CSCs through their paces

We used a combination of lab tests with computer analyses of images and extensive shooting in a wide variety of situations. The tests enable us to assess and compare the ability of the cameras to record detail and colour as well as give a measure of how well they expose images. These tests require special charts to be shot in controlled conditions so that the images can be analysed, but they cannot give the full picture of how a camera performs and so we also use the cameras in normal shooting situations. The cameras were used outside and inside in different lighting conditions. A variety of subjects were shot to assess aspects such as responsiveness, image colour, white balance and autofocus speed and accuracy. We examine the images at normal print size and at 100% on the computer.

When assessing the handling we examine how the camera feels in the hand, whether the controls are sensibly arranged and within reach and how easy the LCD screen and viewfinder (if present) are to see and use.

6 8 10 12 14 16 18
36 32 28 24 20 16 12

**We photographed various items to see how each camera coped.**

**[04] Lumix DMC-GF3**
**£470** www.panasonic.co.uk

**[05] Samsung NX11**
**£340** www.samsung.com/uk

**[06] Sony Alpha NEX-C3**
**£390** www.sony.co.uk

### >> TEST THREE

## Performance

We look at the autofocus, exposure and white balance

All the camera's autofocus (AF) systems perform well in good light, bringing the subject quickly into focus on most occasions, but the Samsung and Sony models are the first to become hesitant as light levels fall. Nikon's hybrid AF system, which combines fast contrast detection with accurate contrast detection (the other cameras use contrast detection alone), puts in a good show, only struggling in very low light. It does the best job of keeping up with moving subjects.

Images are well exposed, but the Sony NEX-C3 and Nikon J1 sometimes produce slightly lighter images than expected – this can be dealt with using exposure compensation if necessary.

In the default colour modes, the cameras reproduce colours well, though the results from the Samsung NX11 can be a little variable in hue. Shots from the Panasonic G3 and Sony NEX-C3 also sometimes benefit from a saturation boost, but this is preferable to oversaturation.

### >> TEST RESULTS

| | |
|---|---|
| **Nikon 1 J1** | ★★★★☆ |
| **Olympus Pen Mini E-PM1** | ★★★★☆ |
| **Panasonic Lumix DMC-GF3** | ★★★★☆ |
| **Panasonic Lumix DMC-G3** | ★★★★☆ |
| **Samsung NX11** | ★★★☆☆ |
| **Sony NEX-C3** | ★★★☆☆ |

### >> TEST FOUR

## Image quality

Is noise controlled and do the images have detail?

All of the cameras in this test capture the most detail in their raw images and processing them on the computer enables the best balance between noise removal and detail resolution to be found. That said, many of us don't have time for this kind of thing and JPEG images provide a quicker, easier alternative.

At sensible print sizes the images from all the cameras look good, but zooming into 100% on the computer screen reveals a few differences. While coloured speckling is only visible in the shadows of images taken at the highest ISO settings with the J1, it captures the least amount of detail. A granular texture is even visible at ISO 200.

Given its larger sensor and higher pixel count, the Sony NEX-C3 captures the most detail at low ISO settings, it also strikes a good balance between noise suppression and detail capture at ISO 3200. However, the Panasonic and Olympus aren't too far behind.

### >> TEST RESULTS

| | |
|---|---|
| **Nikon 1 J1** | ★★★☆☆ |
| **Olympus Pen Mini E-PM1** | ★★★☆☆ |
| **Panasonic Lumix DMC-GF3** | ★★★★☆ |
| **Panasonic Lumix DMC-G3** | ★★★★☆ |
| **Samsung NX11** | ★★★☆☆ |
| **Sony NEX-C3** | ★★★★☆ |

### >> THE WINNER / Panasonic Lumix DMC-G3

If you're looking for a responsive, versatile, easy-to-use camera that produces great images, then the Panasonic G3 is an excellent choice. It's handling is intuitive and the touchscreen makes it quick to use. It's also possible to customise it so you can quickly get your hands on exactly the controls you want. We love its articulated LCD and Touch AF function that allows the AF point to be set with a touch on the screen. The G3 also combines fully automatic modes with more advanced semi-automatic and fully manual modes, so it suits both novice and experienced photographers.

As a Micro Four Thirds camera the G3 can be used with an extensive range of lenses from both Panasonic and Olympus.

### >> FINAL RESULTS

| | |
|---|---|
| **Nikon 1 J1** | ★★★☆☆ |
| **Olympus Pen Mini E-PM1** | ★★★☆☆ |
| **Panasonic Lumix DMC-GF3** | ★★★★☆ |
| **Panasonic Lumix DMC-G3** | ★★★★☆ |
| **Samsung NX11** | ★★★☆☆ |
| **Sony NEX-C3** | ★★★☆☆ |

Mac
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Winner!

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iPhone accessories
Your guide to iOS 5
231 amazing apps reviewed & rated!
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PRINTED IN THE UK ABZ12 2011 £12.99
ISBN 1-858704-42-1

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www.**myfavouritemagazines**.co.uk/computer

"Apple itself has a surprisingly little-known online bargain basement"

WHERE TO BUY YOUR NEW MAC P122

## HOW TO BUY

### HOW TO BUY

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# Buyers' Guide

## ALL THE BEST KIT TO GO WITH YOUR MAC

Tim Hardwick
**Production Editor**

Apple's retail stores are spreading fast. At the time of writing, there are 359 Apple stores worldwide, including 33 in the UK alone. Not bad considering the first Apple retail stores only opened in 2001.

Apple stores have proved so popular that their opening is considered an event. The Apple faithful often queue up outside the shop ahead of its opening. If you check out the MacFormat blog at **http://bit.ly/uzBp9l**, you can see what happened when Apple opened a store in the magazine's home town of Bath.

The best thing about Apple stores is you can try out the Macs, iPads, iPhones and MacBooks before buying one. After reading our Buyer's Guide, you should have a good idea of which Mac, iPod or iOS device is right for you, and if you have an Apple store nearby, you can use it before you make a purchase. To find your local Apple store or reseller, go to **www.apple.com/uk/buy/locator**.

### >> BUYING ADVICE YOU CAN TRUST

Our mission is to ensure that when you buy a Mac-related product, you are completely informed about its best and worst features. We have a cast-iron policy of editorial independence. **For the latest prices and full review see the TechRadar URL listed next to each review.**

# How to buy a new Mac

Not sure which Mac to buy? We'll help you choose!

## »DID YOU KNOW THIS?

The Mac Pro is also available in a Server Edition. Out of the box, it boasts a 2.8GHz CPU, two 1TB hard drives, 8GB of memory and OS X Lion Server preinstalled.

**The mid-2011 refresh brought quad-core Sandy Bridge processors to the iMac range.**

**The Mac Pro offers an ATI Radeon HD 5770 with 1GB GDDR5 graphics card, a 1TB hard drive and an 18x SuperDrive.**

Apple sells its products every which way at once. You can buy a Mac direct from the online Apple Store (**http://store.apple.com/uk**); from one of the growing number of bricks-and-mortar Apple Stores around the country; from official 'Apple shops' within department stores, staffed by certified Apple Solutions Consultants; and from hundreds of independent Apple Authorised Resellers and Premium Resellers, variously selling online or on the high street.

The bigger independents buy direct from Apple, while others go through a network of distributors. To find the one nearest you, go to **www.apple.com/uk/buy**. Given this range of outlets, shopping around for your Mac could save you money – but probably not very much. There simply isn't much profit margin for independent dealers to knock off. The Mac's popularity means Apple doesn't have to leave a big gap between its wholesale prices and Apple Store prices – effectively the minimum and maximum level at which retailers can sell their wares.

Authorised Resellers may knock a few pounds off Apple Store prices, and can also sell you other kit at competitive prices. Although you may find fractionally lower prices online, by choosing a local dealer you could get the benefit of trying before you buy and having someone on hand to answer questions. Either way, Mac resellers tend to be very knowledgeable and keen to help.

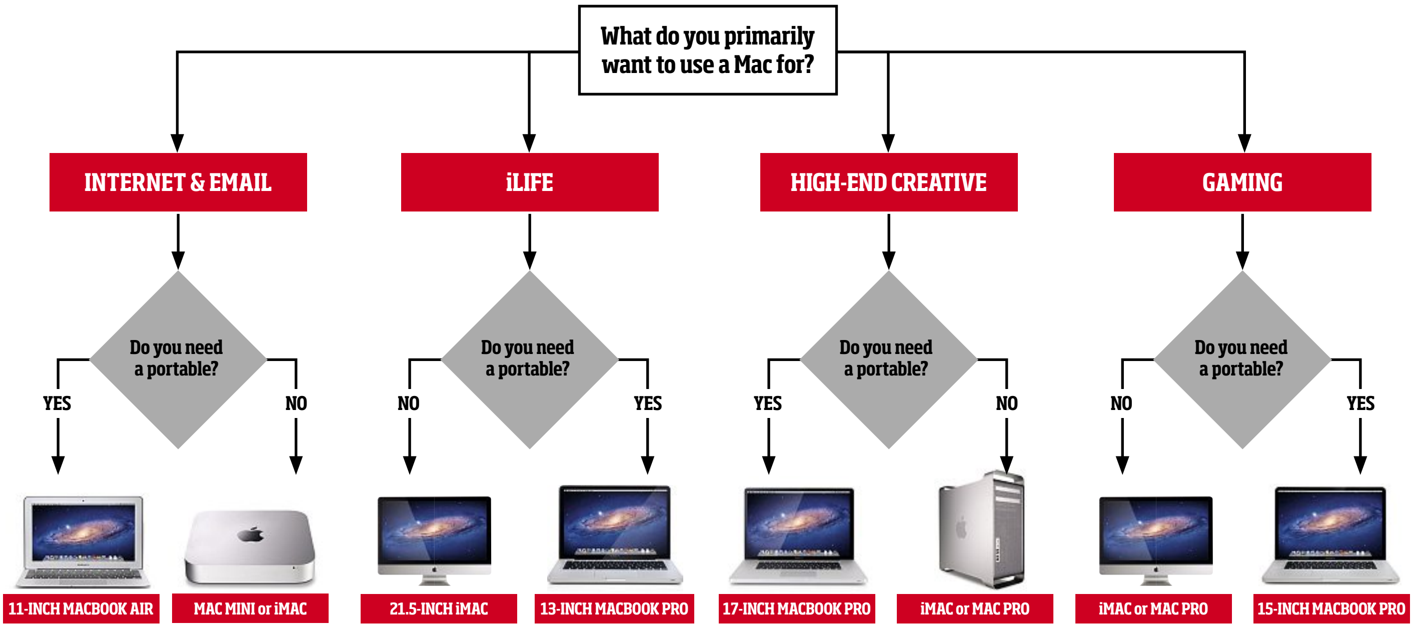
There are a couple of other ways to cut the cost of a new Mac. Business buyers can save a fortune by reclaiming the VAT and offsetting the purchase against tax. If you're not eligible, you may still qualify for a discount from Apple. Any student or teacher can get special pricing. That includes schoolkids (follow links to the Education Store for more). The reductions aren't huge, but they're worth having. For example, a top-of-the-range 27-inch iMac lists for £1,550.40, compared to the regular price of £1,649. Authorised Resellers can access these special rates and may even shave a bit more off for you.

> *"Cut the cost of your new Mac. Business users can save a fortune by reclaiming the VAT and offsetting the purchase against tax"*

To help you find the cash, Apple also offers financing options. For consumers, this spreads the payments, though you do pay interest. For businesses, flexible leasing knocks more off your tax bill and lets you upgrade your hardware – and indeed software – when necessary without spending big chunks of capital. You can find out plenty more at **www.apple.com/uk/financing**.

Your budget will stretch even further with clearance, refurb and second-user deals. If you can suppress your envy of marginally newer, shinier kit, the best time to shop for a Mac is

## CHOOSING A MAC / Which one is right for you?


What do you primarily want to use a Mac for?
INTERNET & EMAIL
iLIFE
HIGH-END CREATIVE
GAMING
Do you need a portable?
YES
NO
Do you need a portable?
NO
YES
Do you need a portable?
YES
NO
Do you need a portable?
NO
YES
11-INCH MACBOOK AIR
MAC MINI or iMAC
21.5-INCH iMAC
13-INCH MACBOOK PRO
17-INCH MACBOOK PRO
iMAC or MAC PRO
iMAC or MAC PRO
15-INCH MACBOOK PRO

just after Apple brings out new models. Wander down to John Lewis and you're quite likely to find the last of the old range with three-figure reductions. Do check the specs against the incoming versions, which will offer more for the same original price, but at the bottom end of the range you could pay less than the current entry-level for a perfectly good machine. Anywhere that holds Macs in stock is similarly worth a raid, and online retailers also have clearance bins.

### Saving money

Apple itself has a surprisingly little-known online bargain basement at http://store.apple.com/uk/browse/home/specialdeals/mac. It's a treasure trove of cut-price kit, with some clearance items and many described as 'refurbished'. This usually means someone's bought a Mac, then changed their mind or found a problem and sent it back. Industry insiders tell us these returns often have absolutely nothing wrong with them, and in any case they're fully tested and any faults fixed before they're resold. They're guaranteed for a full year, extendable up to three years via AppleCare.

**Apple MacBooks come in a range of screen sizes, from the 11-inch Air to the 17-inch Pro.**

Besides deciding who to buy from, there's the tricky question of which Mac to pick. You can have a MacBook Pro, MacBook Air, Mac mini, iMac or Mac Pro. Most Mac families offer several standard models, plus plenty of built-to-order options, adding up to hundreds of possibilities.

> *"There's the tricky question of which Mac to pick. You can plump for a MacBook Pro, MacBook Air, Mac mini, iMac or Mac Pro"*

By comparing the prices of different configurations – easily done at http://store.apple.com/uk – you can suss out the best value. For example, the entry-level 21.5-inch iMac is a bargain at £999. If you want a higher spec, the next option doubles the hard disk space and adds a more powerful graphics card, but it's an extra £250. However, you're not limited to the preset models. By clicking the Select button, you can tweak the listed specifications to create your own Mac. The only downside is that you'll need to allow a week or two for your own personal Mac to arrive.

Just think of it as an exercise in delayed gratification.

## DID YOU KNOW THIS?

The latest MacBook Pros, released in October 2011, have new Sandy Bridge processors, great new graphics solutions and the new ultra-fast Thunderbolt connectivity port.

# How to choose the perfect Mac

Let us help you make the right purchase. Here are your options…

## iMac

Updated May 2011

### 21.5-inch 2.5GHz

£999

• 2.5GHz quad-core Intel Core i5 • 21.5-inch glossy widescreen at 1,920x1,080 pixels • 4GB RAM (expandable to up to 16GB) • 500GB hard drive • 8x double-layer SuperDrive • AMD Radeon HD 6750M graphics with 512MB GDDR5 memory • 4x USB 2.0 ports; 1x FireWire 800 port; 1x Thunderbolt port; 1xSDXC card slot • Ships with Mac OS X Lion, iLife '11, Magic Mouse, keyboard

### 27-inch 2.7GHz

£1,399

• 2.7GHz quad-core Intel Core i5 • 27-inch glossy widescreen at 2,560x1,440 pixels • 4GB RAM (expndable to up to 16GB) • 1TB hard drive • 8x double-layer SuperDrive • AMD Radeon HD 6770M graphics with 512MB GDDR5 memory • 4x USB 2.0 ports; 1x FireWire 800 port; 2x Thunderbolt ports; 1xSDXC card slot • Ships with Mac OS X Lion, iLife '11, Magic Mouse, keyboard

### 21.5-inch 2.7GHz

£1,249

• 2.7GHz quad-core Intel Core i5 • 21.5-inch glossy widescreen at 1,920x1,080 pixels• 4GB RAM (expandable to up to 16GB) • 1TB hard drive • 8x double-layer SuperDrive • AMD Radeon HD 6770M graphics with 512MB GDDR5 memory • 4x USB 2.0 ports; 1x FireWire 800 port; 1x Thunderbolt port; 1xSDXC card slot • Ships with Mac OS X Lion, iLife '11, Magic Mouse, keyboard

### 27-inch 3.1GHz

£1,649

• 3.1GHz quad core Intel Core i5 • 27-inch glossy widescreen at 2,560x1,440 pixels • 4GB RAM (expandable to up to 16GB) • 1TB hard drive • 8x double-layer SuperDrive • AMD Radeon HD 6970M graphics with 1GB GDDR5 memory• 4x USB 2.0 ports; 1x FireWire 800 port; 2x Thunderbolt port; 1xSDXC card slot • Ships with Mac OS X Lion, iLife '11, Magic Mouse, keyboard

## Mac mini

Updated July 2011

### 2.3GHz 500GB

£529

• 2.3GHz dual core Intel Core i5 • 2GB RAM (2x 1GB 1,333MHz) • 500GB SATA, 5,400rpm HDD • 3MB shared L3 cache • Intel HD Graphics 3000 with 288MB of DDR3 SDRAM shared with main memory• 802.11n WiFi, Bluetooth 4.0,10/100/1000BASE-T Ethernet • 1x Thunderbolt, 1xFireWire 800, 4x USB 2.0 ports • SDXC card reader • Lion, iLife '11 • HDMI video out with HDMI to DVI adapter • No optical drive

### 2.5GHz 500GB

£699

• 2.5GHz dual core Intel Core i5 • 4GB RAM (2x 2GB 1333MHz) • 500GB SATA, 5,400rpm HDD • 3MB shared L3 cache • AMD Radeon HD 6630M graphics processor with 256MB of GDDR5 memory• 802.11n WiFi, Bluetooth 4.0, 10/100/1000BASE-T Ethernet • 1x Thunderbolt, 1xFireWire 800, 4x USB 2.0 ports • SDXC card reader • Lion, iLife '11 • HDMI video out with HDMI to DVI adapter • No optical drive

## Mac Pro

### Quad-Core
£2,041

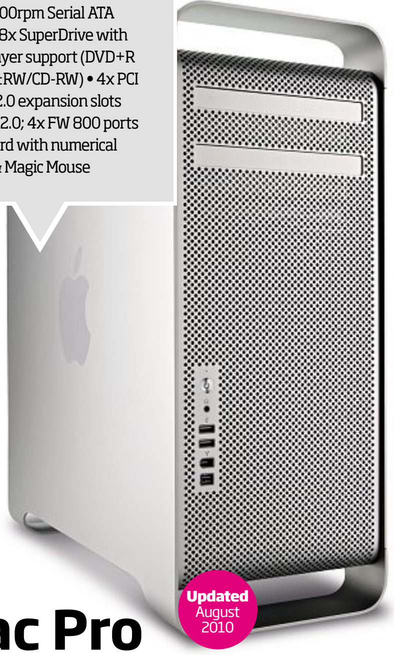
• 2.8GHz Quad-Core Intel Xeon • 3GB RAM (expandable to up to 16GB) • ATI Radeon HD 5770 with 1GB of GDDR5 memory • Two Mini DisplayPorts, one DVI port • 1TB 7,200rpm Serial ATA 3Gb/s • 18x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD-RW) • 4x PCI Express 2.0 expansion slots • 5x USB 2.0; 4x FW 800 ports • Keyboard with numerical keypad & Magic Mouse

### 8 -Core
£2,859

• Two 2.4GHz Quad-Core Intel Xeon • 6GB RAM (expandable to up to 32GB) • ATI Radeon HD 5770 with 1GB of GDDR5 memory • Two Mini DisplayPorts, one DVI port • 1TB 7,200rpm Serial ATA 3Gb/s • 18x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD-RW) • 4x PCI Express 2.0 expansion slots • 5x USB 2.0; 4x FW 800 ports • Keyboard with numerical keypad & Magic Mouse

### 12-Core
£4,083

• Two 2.6GHz 6-Core Intel Xeon • 6GB RAM (expandable to up to 32GB) • ATI Radeon HD 5770 with 1GB of GDDR5 memory • Two Mini DisplayPorts, one DVI port • 1TB 7,200rpm Serial ATA 3Gb/s • 18x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD-RW) • 3x PCI Express 2.0 expansion slots • 5x USB 2.0; 4x FW 800 ports • Keyboard with numerical keypad & Magic Mouse



**Updated** August 2010

## MacBook Pro

### 13-inch 2.4GHz
£999

• 13.3-inch LED-backlit glossy widescreen 1,280x800 pixels • 2.4GHz dual-core Intel Core i5 processor • 7-hour battery • 4GB (two 2GB SO-DIMMs) of 1,333MHz DDR3 memory • 500GB, 5,400rpm hard drive • 8x slot-loading SuperDrive (DVD±R DL/DVD±RW/CD-RW) • Intel HD Graphics 3000 • Mac OS X 10.7 and iLife '11 • 1x Thunderbolt port, 1x FireWire 800, 2x USB 2.0, 1x SDXC card slot

### 13-inch 2.8GHz
£1,299

• 13.3-inch LED-backlit glossy widescreen 1,280x800 pixels • 2.8GHz dual-core Intel Core i7 processor • 7-hour battery • 4GB (two 2GB SO-DIMMs) of 1,333MHz DDR3 memory • 750GB, 5,400rpm hard drive • 8x slot-loading SuperDrive (DVD±R DL/DVD±RW/CD-RW) • Intel HD Graphics 3000 • Mac OS X 10.7 and iLife '11 • 1x Thunderbolt port, 1x FireWire 800, 2x USB 2.0, 1x SDXC card slot

### 15-inch 2.2GHz
£1,549

• 15.4-inch LED-backlit glossy widescreen 1,440x900 pixels • 2.2GHz quad-core Intel Core i7, 6MB shared L3 cache • 4GB 1,333MHz DDR3 memory • 500GB, 5,400rpm hard drive • 8x slot-loading SuperDrive (DVD±R DL/DVD±RW/CD-RW) • AMD Radeon HD 6750M graphics processor with 512MB of GDDR5 memory • Mac OS X 10.7 and iLife '11 • 1x Thunderbolt port, 1x FW 800, 2x USB 2.0, 1x SDXC slot

### 15-inch 2.4GHz
£1,849

• 15.4-inch LED-backlit glossy widescreen 1,440x900 pixels • 2.4GHz quad-core Intel Core i7, 6MB shared L3 cache • 4GB 1,333MHz DDR3 memory • 750GB, 5,400rpm hard drive • 8x slot-loading SuperDrive (DVD±R DL/DVD±RW/CD-RW) • AMD Radeon HD 6770M graphics processor with 1GB of GDDR5 memory • Mac OS X 10.7 and iLife '11 • 1x Thunderbolt port, 1x FW 800, 2x USB 2.0, 1x SDXC slot

### 17-inch 2.4GHz
£2,099

• 17-inch LED-backlit glossy widescreen 1,920x1,200 pixels • 2.4GHz quad-core Intel Core i7, 6MB shared L3 cache • 4GB 1,333MHz DDR3 memory • 750GB, 5,400rpm hard drive • 8x slot-loading SuperDrive (DVD±R DL/DVD±RW/CD-RW) • AMD Radeon HD 6770M graphics processor with 1GB of GDDR5 memory • Mac OS X 10.7, iLife '11 • 1x Thunderbolt port, 1x FireWire 800, 3x USB 2.0, 1x ExpressCard/34 slot

**Updated** Oct 2011

## MacBook Air

### 13-inch models
£1,099/£1,349

• 1.7GHz Intel Core i5 CPU • 13.3-inch LED-backlit glossy widescreen at 1,440x900 pixels • 128GB or 256GB of flash storage • Intel HD Graphics 3000 processor • 4GB of 1333MHz DDR3 memory • Seven-hour battery life, or 30 days on standby • FaceTime camera • 2x USB 2.0 ports, Thunderbolt port, 802.11n WiFi, Bluetooth 4.0 • SD reader • Lion and iLife '11

### 11-inch models
£849/£999

• 1.6GHz Intel Core i5 CPU • 11.6-inch LED-backlit glossy widescreen at 1,366x768 pixels • 64GB or 128GB of flash storage • Intel HD Graphics 3000 processor • 2GB or 4GB of 1333MHz DDR3 memory • Five-hour battery life, or 30 days on standby • FaceTime camera • 2x USB 2.0 ports, Thunderbolt port, 802.11n WiFi, Bluetooth 4.0 • Lion and iLife '11 preinstalled

**Updated** July 2011

**Updated** July 2011

# What about an iPhone or iPad?

Apple's mobile devices are designed to sync perfectly with your Mac

## >> DID YOU KNOW THIS?

The new iPhone 4S is available in black or white. It features a powerful new eight-megapixel camera (60% more pixels than before), with advanced optics, a larger f/2.4 aperture and 1,080p HD video recording.

Both the iPhone and iPad have a touchscreen, come with email and web-browsing applications and are capable of running third-party apps that you can get from Apple's App Store. But the iPad isn't simply a bigger iPhone. The iPhone is first and foremost a phone, and like all mobile phones, unless you buy it on Pay as You Go (which makes the device itself much more expensive) you're going to be tied into a phone contract.

If you want all the features of the iPhone but without the phone part, then consider getting an iPod touch instead (see over the page).

If you're looking for a phone then you'll find the iPhone is designed to cover all your data needs while you're on the go, and fits in your pocket.

**iOS 5 is the world's most advanced mobile-platform operating system, and has over 200 new features.**

In contrast, the iPad is a device that sits somewhere between an iPhone and a Mac. It also comes with a 3G data contract option, but that doesn't include phone calls. The only phone calls you can make with it will be digitally, using VoIP apps, such as *Skype*. While a lot of people find the iPhone perfectly acceptable for home use, if you just need to check your email or do a quick bit of web surfing, the iPad is positively designed to be used from your sofa. It has built-in Wi-Fi, which means you can check emails and browse the web on your wireless network at home. Here it would fulfil most functions of a laptop, but don't fall into the trap of thinking of the iPad as a replacement for a home computer.

**Use your iPad 2 to surf the web, run apps, send and receive emails, and listen to your music.**

> *"The iPad uses solid-state memory, so it's pretty-much instant on. There's no waiting around for it to boot up. It's also lightweight"*

It's fundamentally designed to be an accessory. You're meant to keep your data on your Mac and sync your iPad with it, not the other way around.

It does have some big advantages over a Mac laptop, though. For a start, because it uses solid-state memory it's pretty-much instant on. There's no waiting around for it to boot up. It's also lightweight, extremely portable and the perfect size to be used as an ebook reader.

The iPhone currently comes in three versions, the 3GS, iPhone 4 and iPhone 4S. The iPhone 4 and the new iPhone 4S feature a stunning 960x640 high-resolution display, making it much easier to read on-screen text. The iPhone 4S boasts a dual-core A5 processor, giving it up to twice as much power and up to seven times faster graphics. Its eight-megapixel camera is much improved, and its new Siri feature lets you operate your iPhone by speaking.

The iPad 2 comes in black and white, each in three capacities, 16GB, 32GB and 64GB, available in Wi-Fi or Wi-Fi + 3G versions. Each 3G version costs £100 more than a Wi-Fi-only model with a similar memory capacity. Prices start at £399 for the 16GB Wi-Fi version, and go up to £659 for the top-range 64GB Wi-Fi + 3G iPad.

# iPad 2

Updated
March
2011

### iPad 16GB

£399 Wi-Fi
£499 Wi-Fi + 3G

• 9.7-inch LED-widescreen, 1,024x768 pixels • 1GHz dual core Apple A5 CPU • 25Wh battery gives up to 10 hours use • 3.5mm stereo headphone jack • Built-in speaker & mic • 720p, 30 fps rear-facing camera, VGA front camera • GPS (iPad Wi-Fi + 3G only) • 241.2x185.7x8.8mm • 601g (Wi-Fi), 613g (Wi-Fi + 3G) • Accelerometer, three-axis gyro, ambient light sensor

### iPad 32GB

£479 Wi-Fi
£579 Wi-Fi + 3G

• 9.7-inch LED-widescreen, 1,024x768 pixels • 1GHz dual core Apple A5 CPU • 25Wh battery gives up to 10 hours use • 3.5mm stereo headphone jack • Built-in speaker & mic • 720p, 30 fps rear-facing camera, VGA front camera • GPS (iPad Wi-Fi + 3G only) • 241.2x185.7x8.8mm • 601g (Wi-Fi), 613g (Wi-Fi + 3G) • Accelerometer, three-axis gyro, ambient light sensor

### iPad 64GB

£559 Wi-Fi
£659 Wi-Fi + 3G

• 9.7-inch LED-widescreen, 1,024x768 pixels • 1GHz dual core Apple A5 CPU • 25Wh battery gives up to 10 hours use • 3.5mm stereo headphone jack • Built-in speaker & mic • 720p, 30 fps rear-facing camera, VGA front camera • GPS (iPad Wi-Fi + 3G only) • 241.2x185.7x8.8mm • 601g (Wi-Fi), 613g (Wi-Fi + 3G) • Accelerometer, three-axis gyro, ambient light sensor

# iPhone

Updated
October
2011

### iPhone 3GS 8GB

£319 (Pay & Go)

• Available in black • 3.5-inch widescreen • 320x480 pixels • Wi-Fi (802.11b/g) • Quad-band GSM, tri-band 3G • Assisted GPS • Bluetooth 2.0 + EDR • Photo and video geotagging • Battery lasts up to 30 hours (audio) • Battery lasts up to 10 hours (video) • Battery lasts up to 12 hours (talktime) • 115.5x62.1x12.3mm • 135g • Requires Mac OS X 10.5.8 or later

### iPhone 4 8GB

£429 (Pay & Go)

• Available in black or white • 3.5-inch widescreen • 960x640 pixels • Wi-Fi (802.11b/g/n) • Quad-band GSM, tri-band 3G • Assisted GPS • Bluetooth 2.1 + EDR • Photo and video geotagging • Battery lasts up to 40 hours (audio) • Battery lasts up to 10 hours (video) • Battery lasts up to 14 hours (talktime) • 115.5x58.6x9.3mm • 137g • Requires Mac OS X 10.5.8 or later

### iPhone 4S 16, 32 or 64GB

From £499 (Pay & Go)

• Available in black or white • 3.5-inch widescreen • 960x640 pixels • Wi-Fi (802.11b/g/n) • UMTS/HSDPA/HSUPA/GSM/EDGE, 3G • Bluetooth 4.0 • Siri • Assisted GPS • Photo and video geotagging • Battery lasts up to 40 hours (audio), 10 hours (video), 14 hours (talktime) • 8MP camera • 115.5x58.6x9.3mm • 140g • Mac OS X 10.5.8 or later

## CHOOSING AN iPOD

Updated
September
2010

### iPod shuffle 2GB

£40

• Up to 500 songs • No ability to display photos or videos
• Available in five colours; silver, blue, green, yellow, pink
• No screen, but the control pad returns • VoiceOver enables your iPod to talk to you
• 3.5-mm stereo headphone jack is used for both audio out and USB charging
• Battery lasts up to 15 hours
• 29x31.6x8.7mm • 12.5g

Updated
October
2011

### iPod nano 8GB

£115

• Up to 2,000 songs • Up to 7,000 photos • Includes Nike+iPod support • Available in silver, black, blue, green, yellow, pink and red (Apple Store exclusive) • 1.54-inch diagonal Multi-Touch screen • 240x240 pixel resolution (220 pixels per inch) • Battery lasts up to 24 hours • Includes VoiceOver technology and an FM radio • 37.5x40.9x 8.78mm • 21.1g

### iPod nano 16GB

£129

• Up to 4,000 songs • Up to 14,000 photos • Includes Nike+iPod support • Available in silver, black, blue, green, yellow, pink and red (Apple Store exclusive) • 1.54-inch diagonal Multi-Touch screen • 240x240 pixel resolution (220 pixels per inch) • Battery lasts up to 24 hours • Includes VoiceOver technology and an FM radio • 37.5x40.9x 8.78mm • 21.1g

Updated
October
2011

### iPod touch 8GB

£169

• Up to 1,750 songs • Up to 10,000 photos • Up to 10 hours of video • Available in black or white • 3.5-inch screen, 960x640 pixels • Wi-Fi (802.11b/g/n, 802.11n at 2.4GHz only) • Nike + iPod support • Battery lasts up to 40 hours (audio) seven hours (video) • Video recording at 720p HD, up to 30 frames per second • 960x720 still photos • 111x58.9x7.2mm • 101g

### iPod touch 32GB

£249

• Up to 7,000 songs • Up to 25,000 photos • Up to 40 hours of video • Available in black or white • 3.5-inch screen, 960x640 pixels • Wi-Fi (802.11b/g/n, 802.11n at 2.4GHz only) • Nike + iPod support • Battery lasts up to 40 hours (audio) seven hours (video) • Video recording at 720p HD, up to 30 frames per second • 960x720 still photos • 111x58.9x7.2mm • 101g

### iPod touch 64GB

£329

• Up to 14,000 songs • Up to 50,000 photos • Up to 80 hours of video • Available in black or white • 3.5-inch screen, 960x640 pixels • Wi-Fi (802.11b/g/n, 802.11n at 2.4GHz only) • Nike + iPod support • Battery lasts up to 40 hours (audio) seven hours (video) • Video recording at 720p HD, up to 30 frames per second • 960x720 still photos • 111x58.9x7.2mm • 101g

### iPod classic 160GB

Updated
September
2009

£197

• Up to 40,000 songs • Up to 25,000 photos • Up to 200 hours of video • Available in black and silver • 2.5-inch screen • 320x240 pixels • Battery lasts up to 36 hours (audio) • Battery lasts up to 6 hours (video) • 103.5x61.8x 10.5mm • 140g

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# BUYERS' GUIDE

## KEYBOARDS & MICE

### Apple Magic Trackpad

★★★★☆

**Price:** £60 **Reviewed:** Issue 226
**Web:** www.apple.com/uk
**Full review:** www.techradar.com/ 713555
**Key specs:** 13.13x13.01x1.83cm; Bluetooth connectivity; powered by 2x AA batteries; requires Mac OS X 10.6.4 or higher

⊕ Brings the MacBook's famous gestures to Apple's desktop range
⊖ Doesn't work in pre-Snow Leopard versions of OS X

**"Well conceived and beautifully executed, it's well worth a try if you use a Mac Pro, iMac or Mac mini at home or work."**

### Wacom Bamboo Fun P&T ★★★★☆

**Price:** £90 **Reviewed:** Issue 240
**Full review:** www.techradar.com/1029725
**Key specs:** 2540lpi; wireless option; gestures
⊕ Gesture support; wireless option (sold separately)
⊖ Touchpad a little slow

### Logitech Solar KB K750 ★★★★½

**Price:** £70 **Reviewed:** Issue 242
**Full review:** www.techradar.com/960675
**Key specs:** Wireless operation; solar powered
⊕ No batteries required; Mac button layout
⊖ Some features need a driver download

## PRINTERS & ALL-IN-ONES

### Canon PIXMA MG8150

★★★★★

**Price:** £217 **Reviewed:** Issue 241
**Web:** www.canon.co.uk
**Full review:** MF Issue 241 group test
**Key specs:** USB, Ethernet and WiFi connectivity; PictBridge; Auto Duplex; six ink tanks; print on optical discs

⊕ Stellar print quality; comprehensive feature set; elegant and robust
⊖ Not AirPrint-compatible

**"Solid text printing and stellar photo reproduction, together with a comprehensive feature set, make this a great buy."**

### Canon PIXMA MG6150 ★★★★★

**Price:** £100 **Reviewed:** Issue 227
**Full review:** www.techradar.com/719361
**Key specs:** Six-tank inkjet; touch-sensitive controls
⊕ Comprehensive connectivity; stellar print quality
⊖ Could be faster

### HP Photosmart 7510 ★★★★½

**Price:** £250 **Reviewed:** Issue 232
**Key specs:** Multifunction inkjet printer
**Full review:** www.techradar.com/1042424
⊕ Solid and robust, with a stellar print quality
⊖ Lacks one or two features

## DISPLAYS

### Thunderbolt Display

★★★★☆

**Price:** £899 **Reviewed:** Issue 241
**Web:** www.apple.com/uk
**Full rev:** www.techradar.com/1037021
**Key specs:** 2560x1440 pixel resolution, 178° viewing angle (horizontal and vertical), 12ms response time

⊕ Single-cable convenience; daisy-chaining Thunderbolt connectivity
⊖ Height not adjustable; very expensive; limited compatibility

**"It's an excellent monitor, but only if you use a Thunderbolt-equipped Mac. Despite its quality, it's far too expensive."**

### EIZO FORIS FS2331 ★★★★★

**Price:** £342 **Reviewed:** Issue 237
**Full review:** MF Issue 237 group test
**Key specs:** Good value mid-range monitor
⊕ Good text reproduction; excellent for gamers
⊖ No major drawbacks to speak of

### Samsung FX2490HD ★★★★☆

**Price:** £294 **Reviewed:** Issue 230
**Full review:** www.techradar.com/908753
**Key specs:** 24-inch LED screen, 1,920x1,280 res
⊕ Great screen, good audio, includes TV tuner
⊖ Lacks adjustability, pricey and lacks HD channels

## SPEAKERS/HEADPHONES

### Sennheiser HD 518

★★★★★

**Price:** £72 **Reviewed:** Issue 235
**Web:** www.sennheiser.co.uk
**Full review:** www.techradar.com/954009
**Key specs:** Frequency response 14Hz-26KHz; cable length 3m; connector; 6.3mm stereo jack with 3.5mm adapter

⊕ Excellent sound quality; comfortable, lightweight design
⊖ Not great with low bitrate MP3s; no inline mic and controls

**"Ideal for all-day listening, these headphones have audiophile chops aplenty. Very comfortable too."**

### Creative Recon3D Omega ★★★★½

**Price:** £210 **Reviewed:** Issue 241
**Full review:** www.techradar.com/1030276
**Key specs:** 50mm drivers, 2.4GHz wireless
⊕ Convincing 3D soundscape; easy to set up
⊖ Mixed results from Scout Mode

### Orbit USB Stereo ★★★★½

**Price:** £35 **Reviewed:** Issue 236
**Full review:** www.techradar.com/963037
**Key specs:** 2x40mm drivers, travel bag included
⊕ Crisp, clear sound; very portable; good value
⊖ Bass not very prominent

## DIGITAL CAMERAS

### Canon IXUS 220HS

★★★★★

**Price:** £144 **Reviewed:** Issue 235
**Web:** www.canon.co.uk
**Full review:** www.techradar.com/932082
**Key specs:** 12.1MP resolution; 4.3-21.5mm lens f/2.7-f/5.9; electronic viewfinder 2.7-inch LCD with 230,000 dots

⊕ Stylish, tough steel body; easy to carry; high quality images
⊖ LCD reflections in the sun

**"Even at lower settings, this camera impresses with the detail it captures. A good choice for snapping social events."**

### Samsung NX100 ★★★★☆

**Price:** £249 **Reviewed:** Issue 239
**Full review:** www.techradar.com/913705
**Key specs:** 14.6MP; 20-50mm lens, f3.5-5.6; 340g
⊕ Powerful and flexible; very good photos
⊖ No in-camera stabilisation; a few compromises

### Panasonic Lumix DMC-GH2 ★★★★☆

**Price:** £715 **Reviewed:** Issue 232
**Full review:** www.techradar.com/926611
**Key specs:** 18.32MP; 14-42mm lens; SD/SDHC/SDXC
⊕ Smooth video output; articulated LED screen
⊖ Some small controls; too expensive

## DIGITAL VIDEO CAMERAS

### Sony HDR-CX115E

★★★★★

**Price:** £263 **Reviewed:** Issue 233
**Web:** www.sony.co.uk
**Full review:** MF Issue 233 group test
**Key specs:** 1920x1080 resolution; 2.7-inch LCD; covers MPEG4-AVC and H.264 recording formats

⊕ Excellent all-round performance, and a compact, portable form factor
⊖ There are cheaper camcorders around

**"The Sony provides you with all you'd want from a camcorder, with excellent build, features and quality."**

### Canon HV30 ★★★★⯪

**Price:** £835 **Reviewed:** Issue 201
**Full review:** www.techradar.com/468942
**Key specs:** HDV; DIGIC II processor; MiniDV/SD card
⊕ Superb stills and video; better than HDD
⊖ Cumbersome to use

### Samsung VP-HMX 20C ★★★★☆

**Price:** £375 **Reviewed:** Issue 202
**Full review:** www.techradar.com/528224
**Key specs:** 2.7-inch LCD; movie capture at 2.1MP
⊕ Good screen; lightweight; offers full HD
⊖ Really need to shop around for price

## ROUTERS/NETWORKING

### AVM FRITZ!Box 7390

★★★★★

**Price:** £210 **Reviewed:** Issue 229
**Web:** www.fritzbox.eu
**Full review:** www.techradar.com/912929
**Key specs:** 802.11n, g, b and a; dual band 2.4GHz and 5GHz; power consumption 6-8 watts; integrated DECT base station

⊕ Packed with features, including dual band wireless 'n'; very fast
⊖ Expensive, especially if you don't want the telephony functions

**"Fast and feature-rich, the FRITZ!Box 7390 could transform your home network. Great traffic-shaping features too."**

### Devolo dLAN 500 AVplus ★★★★⯪

**Price:** £120 **Reviewed:** Issue 241
**Full review:** www.techradar.com/1037426
**Key specs:** 500mbps homeplug networking
⊕ Easy to set up and use; versatile; fast speeds
⊖ A little bulky for some skirting boards

### Cisco Linksys E4200 ★★★★☆

**Price:** £123 **Reviewed:** Issue 237
**Full review:** www.techradar.com/938920
**Key specs:** Six Wi-Fi antennas, four Ethernet ports
⊕ Traffic management features; good range
⊖ No built-in modem

## STORAGE

### Iomega Mac Companion

★★★★☆

**Price:** £170 **Reviewed:** Issue 241
**Web:** www.iomega.com
**Full rev:** www.techradar.com/1037051
**Key specs:** 2TB capacity; FireWire 800 or USB 2.0; charges your iOS device from side-mounted high-powered port

⊕ Charges an iPad; robust and attractive; fast 7200rpm drive
⊖ Sync OR fast charge, depending on whether you use FW or USB

**"A sleek, high-capacity drive with exciting features that are more than just gimmicks. Looks great under an iMac."**

### Seagate GoFlex Satellite ★★★★☆

**Price:** £170 **Reviewed:** Issue 240
**Full review:** www.techradar.com/1029702
**Key specs:** 500GB; Wi-Fi g/n connectivity
⊕ Stream media and docs to Mac and iOS over Wi-Fi
⊖ No internet bridging

### DataTraveler Locker+ 8GB ★★★★⯪

**Price:** £11 **Reviewed:** Issue 232
**Full review:** www.techradar.com/930867
**Key specs:** 256-bit AES security
⊕ Password-protects your data; good price
⊖ Can't function without its launcher app

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# BUYERS' GUIDE

## HOME OFFICE

### Writeroom 3.0

★★★★★

**Price:** £7 **Reviewed:** Issue 242
**Web:** http://hogbaysoftware.com
**Full review:** http://bit.ly/vKPlFX
**System reqs:** A Mac with an Intel procesor is required; This latest version of Writeroom also demands OS X 10.7 Lion.

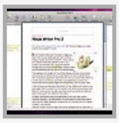
+ Great app for writers; default theme now very smart; save and share
− No direct markdown support

**"Elegant and simple, Writeroom 3.0 is a perfectly balanced and indispensable part of any Mac writer's toolkit."**

### MS Office for Mac 2011 ★★★★☆

**Price:** From £76 **Reviewed:** Issue 228
**Full review:** www.techradar.com/903277
**System reqs:** OS X 10.5.8 or later; Intel Mac
+ Cheaper and faster than 2008; new features
− No upgrade pricing

### Nisus Writer Pro 2 ★★★★★



**Price:** £49 **Reviewed:** Issue 237
**Full review:** www.techradar.com/974528
**System reqs:** OS X 10.4 or later
+ Clean, fast and stable; EPUB export
− Nisus Writer Express might be enough

## VISUAL TOOLS & LAYOUT

### Freeway 5.5 Pro

★★★★★

**Price:** £155 **Reviewed:** Issue 230
**Web:** www.softpress.com
**Full review:** www.techradar.com/919171
**System reqs:** Mac OS X 10.5 or higher; Intel or PowerPC processor; Tiger users can run Version 5.4.3

+ Powerful layout controls; built-in web image optimising; new features
− Weak HTML import; only one undo

**"Freeway 5.5 Pro is great for website design work, and doesn't ask for a degree in coding first."**

### Ohanaware HDRtist Pro ★★★★★

**Price:** £20 **Reviewed:** Issue 235
**Full review:** www.techradar.com/954888
**System reqs:** Mac OS X 10.5 or later; 1GB RAM
+ Great value for money; ideal for novices
− No zoom function for fine detail

### Photoshop Elements 10 ★★★★½

**Price:** £79 **Reviewed:** Issue 240
**Full review:** www.techradar.com/1027864
**System reqs:** OS X 10.5.8+, Intel Mac
+ Powerful organiser; good for all skill levels
− Search tools imprecise; few major enhancements

## SYSTEM UTILITIES

### Parallels Desktop 7

★★★★★

**Price:** £65 **Reviewed:** Issue 240
**Web:** www.parallels.com/uk
**Full review:** http://bit.ly/rHoJoP
**System reqs:** OS X 10.5.8 or later; Intel processor; 2GB RAM; sufficient hard drive space for additional OS

+ More flexible than Boot Camp; Coherence Mode is very useful
− Convenience Store a little lacking in content

**"If you need to run Windows or Linux on a Mac, Parallels Desktop 7 is a great way to set about it. Powerful and fast."**

### Roxio Toast 11 Titanium ★★★★½

**Price:** £85 **Reviewed:** Issue 233
**Full review:** www.techradar.com/936399
**System reqs:** OS X 10.5 or later, Intel Mac
+ Great new features, slick new interface
− Fickle VIDEO_TS conversion

### Default Folder X 4.4 ★★★★½

**Price:** £25 **Reviewed:** Issue 241
**Full review:** http://bit.ly/tmJy5o
**System reqs:** OS X 10.5 or later; PPC or Intel Mac
+ Time-saving features; customisable shortcuts
− You might not use all its features

## MULTIMEDIA SOFTWARE

### Apple iLife '11

★★★★½

**Price:** £46 **Reviewed:** Issue 229
**Web:** www.apple.com/uk
**Full review:** www.techradar.com/909657
**System reqs:** Intel processor; 1GB RAM; Mac OS X 10.6.3 or later; 5GB HDD space; display, min. 1280x768-pixel resolution.

+ Great new features for iPhoto, iMovie and GarageBand
− iDVD and iWeb not updated; the iLife suite is now Snow Leopard-only

**"It's a pity iLife '11 is Intel-only, but as PowerPC Macs were discontinued in 2006, it's probably time to let go."**

### Apple Logic Studio ★★★★★

**Price:** £417 **Reviewed:** Issue 213
**Full review:** www.techradar.com/625541
**System reqs:** Intel Mac; 1GB RAM; Mac OS X 10.5.7
+ Powerful music studio; great tools; good value
− Some minor bugs in the initial release

### Anime Studio Debut 8 ★★★★½

**Price:** £27 **Reviewed:** Issue 239
**Full review:** http://bit.ly/tbw19J
**System reqs:** 256MB RAM; OS X 10.5 or later
+ Great animation toolset; new Character Wizard
− Interface still odd-looking

# Mac FORMAT
All your Apple needs

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## ALL THIS AND MORE!

* Contents subject to change

# Mac User Groups

Find fellow Mac enthusiasts near you! Here's a list of the UK & Ireland MUGs

**[1] Aberdeen MUG**
Aberdeen
davidjearly@mac.com
**www.abdnmug.co.uk**

**[2] Bristol & Bath MUG**
Bath
info@bbmug.co.uk
**www.bbmug.co.uk**

**[3] Berkshire & North Hampshire MUG**
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**[4] Bracknell Forest MUG**
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office@bfmug.org
**www.bfmug.org**

**[5] ClubMac Ireland**
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**[6] Cork University College**
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d.murphy@cs.ucc.ie
**www.ucc.ie/mug**

**[7] Cumbria Mac Enthusiasts**
Barrow-in-Furness
contact@macenthusiasts.co.uk
**www.macenthusiasts.co.uk**

**[8] Deaf Mac Users**
Website group for the hard of hearing
nick@sturley.co.uk
**http://tech.groups.yahoo.com/group/deaf-macs/**

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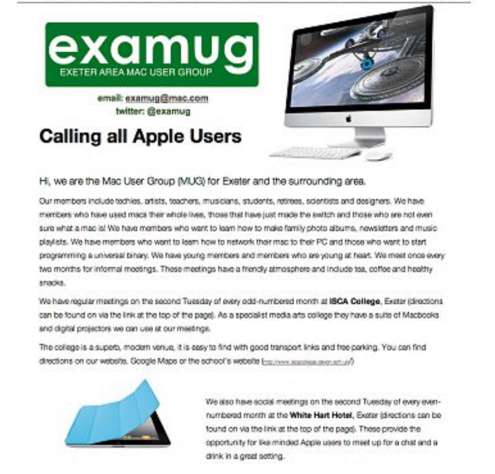
## MUG OF THE MONTH / Exeter



email: examug@mac.com
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Calling all Apple Users

Hi, we are the Mac User Group (MUG) for Exeter and the surrounding area.

Our members include techies, artists, teachers, musicians, students, retirees, scientists and designers. We have members who have used macs their whole lives, those that have just made the switch and those who are not even sure what a mac is! We have members who want to learn how to make family photo albums, newsletters and music playlists. We have members who want to learn how to network their mac to their PC and those who want to start programming a universal binary. We have young members and members who are young at heart. We meet once every two months for informal meetings. These meetings have a friendly atmosphere and include tea, coffee and healthy snacks.

We have regular meetings on the second Tuesday of every odd-numbered month at **ISCA College**, Exeter (directions can be found on via the link at the top of the page). As a specialist media arts college they have a suite of Macbooks and digital projectors we can use at our meetings.

The college is a superb, modern venue, it is easy to find with good transport links and free parking. You can find directions on our website, Google Maps or the school's website ([illegible])

We also have social meetings on the second Tuesday of every even-numbered month at the **White Hart Hotel**, Exeter (directions can be found on via the link at the top of the page). These provide the opportunity for like minded Apple users to meet up for a chat and a drink in a great setting.

The Exeter Mac User Group (examug) meets once every two months to chew the cud about everything Apple. No matter what your interest you'll find somebody to share it with. The group meets at the ISCA college in Exeter, which is a superb modern venue with free car parking. There's a small membership fee to cover costs but the group is not profit-making, being run entirely by volunteers. To find out more check out the group's website at **http://web.mac.com/graham.bone/examug/Welcome.html**.

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**[28] Yorkshire MUG**
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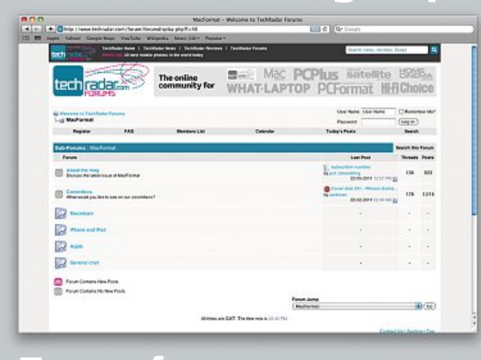
## NEW STARTER

### START YOUR OWN MUG

If you're planning on starting up a new MUG in your area, or you have recently set one up, let us know and we'll print the details here. Email **macformat@futurenet.com**

## No local user group?



### Try our forums...

If you haven't got a local Mac user group then try our forums at **www.macformat.co.uk/forums**. There you'll have the chance to talk about all things Apple and get answers to any questions you may have from a decent bunch of like-minded Apple users.

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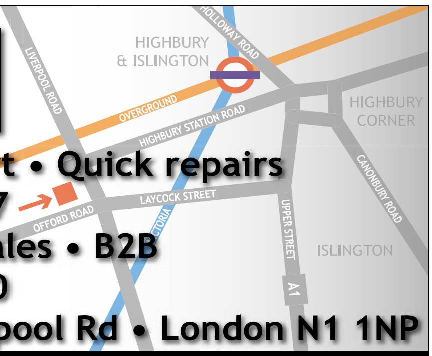

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# One more thing...

# The very hungry OS

## How iOS is turning other digital devices into The Munched Bunch

Maybe you have children, or just a decent memory of childhood. Either way, you'll probably know Eric Carle's story, *The Very Hungry Caterpillar*. The titular insect had an apple on Monday, but that wasn't enough to satisfy its appetite. Neither were two pears on Tuesday, or three plums on Wednesday, or anything else it tried to sate its hunger; by the end of the week the caterpillar was gorging on entire herds of cattle, passing travellers and the odd combine harvester. That's how I remember it, anyway.

It turns out that iOS is The Very Hungry Caterpillar of operating systems. If it's in any way useful, iOS has either eaten it already or is eyeing it up hungrily.

I'm not sure when I realised it. Maybe it was when I was giving a talk to some students, previewing and clicking through slides on my iPhone instead of using a clicker and laptop. Maybe it was when I used the *Maps* app to find my way on foot, or when I used the *TomTom* app the night before to find a good place to park. Maybe it was when I used the *Music* app, or the *Camera* app, or maybe… you get the idea.

The list of things iOS has eaten is already enormous. I don't use a standalone sat-nav anymore and haven't had a standalone music player for years. My pricey camera only comes out for really special occasions, and I can't recall the last time I bothered with the camcorder when I wanted to shoot some HD video clips. I've no idea where my digital voice recorder is. My guitar tuner's gathering dust. I even use my iPhone as a torch.

> "So what happens when iOS runs out of things to eat? I think it'll start to eat itself..."

Illustration: Matthew Hams

It's a long list, but iOS is a still hungry little beast. I have an enormous iMac running *Logic Studio*, but you're more likely to find me working on music in *Garageband* or in one of the many other interesting wee iOS music apps. With very few exceptions – generally, sites that insist on using Flash – the iPad has supplanted the laptop as my family's favourite online shopping device, and my wife's more likely even to do work stuff on her iPhone than on a traditional computer. Meanwhile the loft is slowly filling, since iOS has rendered all kinds of kids' toys obsolete, and it's made handheld games consoles look pointless too.

It doesn't stop there either. I'm spending more time watching Apple TV than broadcast TV (Apple TV's OS is just iOS in different clothes), I read magazines in *Newsstand*, I buy movies and music in *iTunes* instead of brick-and-mortar shops, and when I couldn't work out how to change the headlight bulbs in my car I turned not to a Haynes book, but to the *YouTube* app.

So what happens when iOS runs out of things to eat? I think it'll start to eat itself, just like it ate the original iPod. Like The Very Hungry Caterpillar, iOS is going to transform – but while the caterpillar became a butterfly, iOS will revolve increasingly around Siri, Apple's voice-controlled 'intelligent personal assistant'. iOS ate our devices. Siri is already eyeing up our apps. And however clearly you put it, it won't take no for an answer. ●

**Tech journalist Gary Marshall is absolutely convinced that the TV show character House is based on Steve Jobs not Sherlock Holmes.**

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